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EESSI - RINA

Functional Specifications

*Case management
Use Cases*

Architecture & Design Specifications

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1 Glossary of Terms

Term/Acronym	Definition
RINA	Reference Implementation of a National Applications

2 Document Information and Audience

Purpose:

This document provides a functional description of the Reference Implementation of a National Application (**RINA – Case Management Console**) from a user point of view. For this purpose, the specification describes the RINA services behavior with a set of identified use-cases.

Audience:

- All project team members.
- Project Sponsor, Business Owner, and IT/Technical Owner
- All other key stakeholders

3 Business Purpose

The free movement of people is a fundamental right in Europe. Citizens of the European Union can freely travel to other countries in the EU/EFTA space and take up residence and employment there. Modern social security systems need to reflect this mobility and make sure that citizens enjoy full access to social security in cross-border settings as well.

The Reference Implementation of a National Applications (**RINA**) is a **web-based software application** for the electronic management and exchange of social security cases across competent institutions of the participant countries. RINA is developed by the Directorate-General for Employment, Social Affairs and Inclusion (DG EMPL) and evolved out of the EESSI (Electronic Exchange of Social Security Information) project.

It fulfils the business needs – the so-called business layer requirements – for national institutions participating in the EESSI cross-border message exchange. The application supports the complete range of business use cases concerning the exchange of social security data. Additionally, it provides helpful tools for the management of cases and the optimisation of internal workflows, for example by case assignment tools or via the creation of reports.

4 Introduction

4.1 Context

Part of the National Institutions Domain, RINA (Reference Implementation for National Applications) consists in a collection of infrastructure and communication services, foundation, repository and publishing services, business, integration and user interface services which will provide for clerks and their organizations, the tools to implement the International Protocol of Data Exchange based on Structured Electronic Documents in Social Security belonging to European Community Member States and Associated States.

It is based on 3 layers which are built one on top of the other:

- **Business Messaging Services (BMS)** - provides a reusable component for sending business messages to the Access Point using the technical protocol (ebMS/AS4). These services offer translation, validation and signing of business messages to ensure correct exchange within the EESSI environment, and the correct receipt of messages from other institutions.
- **Case Processing Services (CPS)** – provides a stateful component built on top of the Business Messaging Services that manages cases in a structured manner taking care of all the issues regarding case, documents, notifications, user management and provides several interfaces for external access;
- **Portal** – provides an UI (user interface) built on top of the Case Processing Services having:
 - **Case Management Console and**
 - **Administration Console**

4.2 Scope

The scope of this document is to provide a specification document for Case Management Console, part of the Case Processing Interface (UI Portal).

This interface, previously defined as the "ICD3 like interface", provides a RESTful web service that allows the RINA portal or national systems to interact with the case processing engine.

It provides access to different services like:

- the case Processing service,
- the guidance service,
- the document management service and
- the notification services.

Clients that use this API can manage cases by creating, updating, deleting or retrieving cases. They can also manage the documents belonging to cases, publish attachments and work with comments at both case and document level.

Users can query for notifications if they want to see the outstanding cases and group them by different categories.

4.3 Out of scope

Additional details related to the Case Processing Interface (CPI) functions and use cases, service contract, data contract and relevant samples are out of scope for this specification and can be found in other RINA related specifications:

- RINA Identity and Access Management (IAM)
- RINA National Information Exchange Interface (NIE)
- RINA Archiving

- RINA Localisation
- RINA High Availability and High Performance
- EESSI - RINA Case Processing Interface (CPI)
- EESSI - RINA Business Messaging Interface (BMI)

4.4 Requirements

Req. ID	Summary	Req. Statement	Req. Type	Layer(s)	MoSCoW
EESSI.NA.001	EEESI BL Conformance	The system must fully conform to the EESSI BL specifications (BUCs)	Non-Functional	General	Must have
EESSI.NA.002	Search management requirements	The system must provide tools for users to be able to search and find cases in different ways: • free-text search • structured search • predefined structured search • combination of predefined with text search All Searches are performed against Case Metadata	Functional	Presentation (GUI)	Must have
EESSI.NA.003	Search management requirements	All Searches are performed against Case Metadata	Functional	Presentation (GUI)	Must have
EESSI.NA.004	Free-text search	A user must be able to perform free-text search in fuzzy or exact manner on case metadata in order to identify a case or a group of cases.	Functional	Presentation (GUI)	Must have
EESSI.NA.005	Predefined - Structured search	The system must allow users to define structured searches using visual search expressions and allow users to persist their searches as pre-defined searches.	Functional	Presentation (GUI)	Should have
EESSI.NA.006	Predefined - Structured search	A user must be able to add a new or modify an existing predefined search.	Functional	Presentation (GUI)	Should have
EESSI.NA.007	Predefined -	A user must be able to delete an existing pre-defined search	Functional	Presentation (GUI)	Should have

Req. ID	Summary	Req. Statement	Req. Type	Layer(s)	MoSCoW
	Structured search				
EESSI.NA.008	Applying a predefined search	A user must be able to quickly select and apply a predefined search in order to minimize searching effort.	Functional	Presentation (GUI)	Should have
EESSI.NA.009	Refine predefined search results	After the system has filtered the cases based on a user's predefined search request, the user can read the list of filtered cases. The user must be able to optionally use the free text search to further refine the returned results.	Functional	Presentation (GUI)	Should have
EESSI.NA.010	Configure Search Result	A user must have the possibility to configure for each case type:	Functional	Presentation (GUI)	Should have
		• the list of columns that will be returned by the search engine			
		• the order of the columns and			
		• the order of the results (ascending/descending sort).			
EESSI.NA.011	Case management requirements	The case management requirements cover all aspects of case management, including creation of case, creation of document, creation of a counterparty list, sending documents, running case specific actions, listing cases, documents or actions	Functional	General	Must have
EESSI.NA.012	Create case	The system must allow a user to create a case through accessing a hierarchical structure of case types	Functional	Presentation (GUI)	Must have
EESSI.NA.013	Create case	The system should retain (per session) the last case type instantiated to enable to quickly creation of another case.	Functional	Presentation (GUI)	Should have
EESSI.NA.014	Determine Exchange Partners	The system must allow the user to specify the case participant(s) for each case	Functional	Presentation (GUI)	Must have

Req. ID	Summary	Req. Statement	Req. Type	Layer(s)	MoSCoW
EESSI.NA.015	Determine Exchange Partners	The system must persist the case participant (s) for each case instance	Functional	Presentation (GUI)	Must have
EESSI.NA.016	Determine Exchange Partners	The system must allow the user to view the current case participant(s) and any historical changes.	Functional	Presentation (GUI)	Must have
EESSI.NA.017	Case management actions	The system must provide users with a list of available actions (tasks) related to a specific case instance depending on the state of the case.	Functional	Presentation (GUI)	Must have
EESSI.NA.018	Case management actions	Any case action executed by a user must update the case state.	Functional	Presentation (GUI)	Must have
EESSI.NA.019	Case management actions	The system must recalculate display the available action list upon the change of case state to ensure that users can only perform actions that are correct based the case state.	Functional	Presentation (GUI)	Must have
EESSI.NA.020	Case management actions	The user must have the possibility to select one action from the action list presented to him.	Functional	Presentation (GUI)	Must have
EESSI.NA.021	Group Case Actions	The system must provide logical grouping of case actions at case level or SED level.	Functional	Presentation (GUI)	Must have
EESSI.NA.022	Group Case Actions	The system could provide further logical grouping of case actions as case level.	Functional	Presentation (GUI)	Should have
EESSI.NA.023	Group Case Actions	The system should offer the possibility to filter case actions by grouping.	Functional	Presentation (GUI)	Could have
EESSI.NA.024	Case Importance /Criticality	A user must be able to specific the level of Importance of a case.	Functional	Presentation (GUI)	Must have
EESSI.NA.025	Case Importance /Criticality	A user must be able to specific the level of Criticality of a case.	Functional	Presentation (GUI)	Must have
EESSI.NA.026	Case Importance /Criticality	A user should be able to change the importance and criticality of a case at time during the case.	Functional	Presentation (GUI)	Should have

Req. ID	Summary	Req. Statement	Req. Type	Layer(s)	MoSCoW
EESSI.NA.027	Case Importance /Criticality	The system should allow a user to set the importance/criticality of more than one case at a time.	Functional	Presentation (GUI)	Could have
EESSI.NA.028	Case Alarm	A user must be able to set an alarm by which they expect an action to have occurred.	Functional	Presentation (GUI)	Must have
EESSI.NA.029	Case Alarm	A user must be able to delete the alarm.	Functional	Presentation (GUI)	Must have
EESSI.NA.030	Case Alarm	The system must notify the user when an alarm expires.	Functional	Presentation (GUI)	Must have
EESSI.NA.031	Create Documents	The system must allow the persistence of documents in multiple draft states.	Functional	Presentation (GUI)	Must have
EESSI.NA.032	Document Validation	The system must display document validation errors in a clear and logical fashion, allowing the user to navigate directly to the source of the error from the error description.	Functional	Presentation (GUI)	Must have
EESSI.NA.033	Document Validation	Document validation must fire on the sending of a document.	Functional	Presentation (GUI)	Must have
EESSI.NA.034	Document Validation	Document validation must not fire on the saving of a draft.	Functional	Presentation (GUI)	Must have
EESSI.NA.035	Manage Document Views	The system must allow users to view all major document versions	Functional	Presentation (GUI)	Must have
EESSI.NA.036	Manage Document Views	The system could allow users to view minor document versions	Functional	Presentation (GUI)	Could have
EESSI.NA.037	Manage Document Views	The system should offer multiple views for users to view sent and received documents	Functional	Presentation (GUI)	Should have
EESSI.NA.038	Manage Document Views	The system must offer the possibility to filter documents by:	Functional	Presentation (GUI)	Must have
		• Time			
		• Direction			
		• Partner			
		• Type			
		• Status			

Req. ID	Summary	Req. Statement	Req. Type	Layer(s)	MoSCoW
EESSI.NA.039	Manage Document Views	A user must be able to clearly visualise draft documents from sent/received documents.	Functional	Presentation (GUI)	Must have
EESSI.NA.040	Manage Document Views	A user should be able to clearly visualise documents that are in different document states.	Functional	Presentation (GUI)	Should have
EESSI.NA.041	Manage Document Views	The system must offer access to view all document versions.	Functional	Presentation (GUI)	Must have
EESSI.NA.042	Manage document attachments	The user must be able to manage the attachments through attaching and detaching files.	Functional	Presentation (GUI)	Must have
EESSI.NA.043	Manage document attachments	The system must allow attachments to be added at case level or at SED level.	Functional	Presentation (GUI)	Must have
EESSI.NA.044	Manage document attachments	The user must be able to manage the attachments through attaching and detaching files.	Functional	Presentation (GUI)	Must have
EESSI.NA.045	Manage document attachments	The system must allow attachments to be added at case level or at SED level.	Functional	Presentation (GUI)	Must have
EESSI.NA.046	Manage document attachments	The system should restrict the type of attachments allowed to the following types:	Functional	Presentation (GUI)	Should have
		· application/pdf			
		· application/msword			
		· application/xml			
		· image/jpeg			
		· image/png			
		· image/tif			
		· text/rtf			
		· text/xml			
EESSI.NA.047	Manage document attachments	The system must restrict the access to attachments of a certain business type where necessary.	Functional	Presentation (GUI)	Must have
EESSI.NA.048	Manage document attachments	The system must allow users the access to read/open attachments directly.	Functional	Presentation (GUI)	Must have

Req. ID	Summary	Req. Statement	Req. Type	Layer(s)	MoSCoW
EESSI.NA.049	Print Documents	The system must allow a user to choose an action that will render a document as a printable form (PSED).	Functional	Presentation (GUI)	Must have
EESSI.NA.050	Print Documents	The system should generate Portable Documents.	Functional	Presentation (GUI)	Should have
EESSI.NA.051	Manage comments	The user must be able to create, read or delete comments (case notes) at document level or case level.	Functional	Presentation (GUI)	Must have
EESSI.NA.052	Manage comments	The system must persist and display the author and time of each comment.	Functional	Presentation (GUI)	Must have
EESSI.NA.053	Manage comments	The system must ensure only the author of a comment (or a user with special permissions) can delete a comment.	Functional	Presentation (GUI)	Must have
EESSI.NA.054	Case assignment	New Cases (both created locally & received) should be automatically assigned to users using configurable case assignment rules (via the administration console). The type rules that can be set should be based on for example:	Functional	Presentation (GUI)	Should have
		• The country concerned			
		• The case metadata (PIN, Surname, DOB)			
		• The outstanding workload of users			
EESSI.NA.055	Case assignment	A user (with permission) must be able to assign a case to users or groups of users that are part of the local organisation.	Functional	Presentation (GUI)	Must have
EESSI.NA.056	Case assignment	A user (with permission) must be able to unassign/reassign a case to users or groups of users that are part of the local organisation.	Functional	Presentation (GUI)	Must have
EESSI.NA.057	Case assignment	A user (without permission) must be able to request to a user (with permission) to assign a specific case to them.	Functional	Presentation (GUI)	Must have

Req. ID	Summary	Req. Statement	Req. Type	Layer(s)	MoSCoW
EESSI.NA.058	Case assignment	A user must be able to assign/unassign/reassign more than one case at a time.	Functional	Presentation (GUI)	Must have
EESSI.NA.059	Case assignment	The system must ensure that only assigned users can actively work on/progress a case.	Functional	Presentation (GUI)	Must have
EESSI.NA.060	Case assignment	The system must restrict access to certain case types where necessary (eg. sensitive cases)	Functional	Presentation (GUI)	Must have
EESSI.NA.061	Document Translation	A user must be able to translate a received documents content (whole document or part of) into any of the EU official languages.	Functional	Presentation (GUI)	Must have
EESSI.NA.062	Generate notifications	Every time an event condition is fulfilled, the system must notify the assigned Users of the case. Examples of events are presented below:	Functional	Presentation (GUI)	Must have
		• New message arrived;			
		• New case arrived;			
		• Message update;			
		• Message delivered;			
		• Message delivery error;			
		• New case assigned;			
EESSI.NA.063	Generate notifications	Each notification must have associated a type that is either:	Functional	Presentation (GUI)	Must have
		• Error			
		• Alert or			
		• Information			
EESSI.NA.064	View notifications	Users must be able to view all their notifications through a dedicated Notifications panel.	Functional	Presentation (GUI)	Must have
EESSI.NA.065	View notifications	User should be able to view case specific notifications in the case level view	Functional	Presentation (GUI)	Should have
EESSI.NA.066	Notification actions	A user should be able to take logical actions direct from the notification	Functional	Presentation (GUI)	Should have

Req. ID	Summary	Req. Statement	Req. Type	Layer(s)	MoSCoW
EESSI.NA.067	Filter notifications	The system must offer the possibility to filter notifications based on type and status	Functional	Presentation (GUI)	Must have
EESSI.NA.068	Filter notifications	The System should offer the possibility to navigate to the notifications' timeline.	Functional	Presentation (GUI)	Should have
EESSI.NA.069	Notification Summary	The system must provide count of notification by types in the notification panel and the case level views	Functional	Presentation (GUI)	Must have
EESSI.NA.070	Notification Summary	The counts be automatically re-calculated when User take actions on the notifications	Functional	Presentation (GUI)	Must have
EESSI.NA.071	Notification Summary	A user must be able to receive anytime in every module of the application the delivery of a new notification. This must be obtrusive to the user.	Functional	Presentation (GUI)	Must have
EESSI.NA.072	Suppress/Unsuppress notification	The user must be able to suppress a notification so that it is not taken into account anymore	Functional	Presentation (GUI)	Must have
EESSI.NA.073	Suppress/Unsuppress notification	The user must be able to un-suppress a previously suppressed notification so that it is taken into account anymore.	Functional	Presentation (GUI)	Must have
EESSI.NA.074	Mark notification as read/unread	The user can mark a notification as read or unread so that the next time the notifications are displayed the read/unread state is preserved.	Functional	Presentation (GUI)	Must have
EESSI.NA.075	Report requirements	TBD			
EESSI.NA.076	Administration Console	All administrator tasks must be provided through a dedicated administrator console	Functional	Presentation (GUI)	Must have
EESSI.NA.077	User Management and organization structure	An administrator must be able to define organization units, together with departments having any level of nesting.	Functional	Presentation (GUI)	Must have

Req. ID	Summary	Req. Statement	Req. Type	Layer(s)	MoSCoW
EESSI.NA.078	User Management and organization structure	An administrator must be able to define users or to refer them from an external identity management repository.	Functional	Presentation (GUI)	Must have
EESSI.NA.079	User Management and organization structure	An administrator must be able to configure the default user settings	Functional	Presentation (GUI)	Must have
EESSI.NA.080	Authorisation policies	For each case type, the administrator must be able to configure what users or groups are allowed to create, to execute, to administer or to audit new cases. These are corresponding to the regular user roles: Clerk, Supervisor and Auditor.	Functional	Presentation (GUI)	Must have
EESSI.NA.081	Audit	The administrator must be able to configure what events the system needs to audit. The audit must reflect to all main resources exposed by the functional modules, for all possible operations: create, read, update, delete and execute.	Functional	Presentation (GUI)	Must have
EESSI.NA.082	Audit	The minimum dataset the system must audit are:	Functional	Presentation (GUI)	Must have
		• Id of event			
		• Operation (create, read, update, delete and execute)			
		• Username			
		• Computer name and IP			
		• Date and time			
		• Component which generated the event			
		• Outcome: Success or business error			
		• Audited object (eg: case)			
		• Participants (eg: person or organisation)			
EESSI.NA.083	Technical log	All the modules of system must populate a centralised log available for Administrators.	Functional	Presentation (GUI)	Must have

Req. ID	Summary	Req. Statement	Req. Type	Layer(s)	MoSCoW
EESSI.NA.084	Technical log	The administrator must be able to configure the level of logging: trace, debug, info, warn, error and fatal.	Functional	Presentation (GUI)	Must have
EESSI.NA.085	Notification Management	An administrator should be able to suspend notification types	Functional	Presentation (GUI)	Should have
EESSI.NA.086	Notification Management	An administrator should be able to configure notification behavior (i.e. how a notification is presented to a user)	Functional	Presentation (GUI)	Should have
EESSI.NA.087	System updates and versioning	The physical artefacts (forms, case behavior, vocabularies, etc.) distributed by CSN through AP must be able to be updated by an administrator. These physical models must be accompanied with a minimum set of metadata:	Functional	Presentation (GUI)	Must have
		• Version			
		• Date of release			
		• Name			
EESSI.NA.088	Messaging configuration	The messaging configurations must be fully available for administrators through the administration console	Functional	Presentation (GUI)	Must have
EESSI.NA.089	Counter management	The administrator must be able to define counters for national case ID. The policies for national case identification can be particular to a department and must have a period of availability	Functional	Presentation (GUI)	Must have
EESSI.NA.090	Retention policy (case, audit, technical log)	The system must be able to archive the closed cases, audit and technical log. The retention policy for all of this must be configurable	Functional	Presentation (GUI)	Must have
EESSI.NA.091	Dead letter Queue	The system must provide an administrator with access to received documents that it could not logically processed (i.e. unrelated documents, documents with errors)	Functional	Presentation (GUI)	Must have

Req. ID	Summary	Req. Statement	Req. Type	Layer(s)	MoSCoW
EESSI.NA.092	Dead letter Queue	The system must allow the administrator to return a business exception error automatically for these documents	Functional	Presentation (GUI)	Must have
EESSI.NA.093	Dead letter Queue	The sending of business exception error could be a bulk operation	Functional	Presentation (GUI)	Could have
EESSI.NA.094	User login	Any user having the right credentials must be able to access the system. The credentials can be username and password or smartcards.	Non-Functional	Presentation (GUI)	Must have
EESSI.NA.095	User login	The system must logout a user if the application is left idle for a pre-configurable period of time	Non-Functional	Presentation (GUI)	Must have
EESSI.NA.096	Multi-tenancy	The system must be able to host multiple institutions completely isolated between them and with independent capabilities of administration	Non-Functional	Presentation (GUI)	Must have
EESSI.NA.097	Localization	The user can decide any-time what the language of its user-interface is. The user interface must act accordingly to this setting by translating all the screens together with the codified fields (vocabularies).	Non-Functional	Presentation (GUI)	Must have
EESSI.NA.098	Accessibility	The system must be WCAG 2.0 compliant to minimum AA standard.	Non-Functional	Presentation (GUI)	Must have
EESSI.NA.099	Browser Compatibility	The system must fully work in the following browsers:	Non-Functional	Presentation (GUI)	Must have
		• Chrome (v.40 +)			
		• Firefox (v.32+)			
		• Internet Explorer (v.11)			
		• MS Edge			
EESSI.NA.100	Error Handling	Application Errors must be delivered to users in an unobtrusive manner, while providing sufficient information to understand the problem	Non-Functional	Presentation (GUI)	Must have
EESSI.NA.101	Help	The system should provide context aware help for users	Non-Functional	Presentation (GUI)	Should have

5 RINA Case Management Console – Functional Specification

5.1 Main Components

The Case Management Console enables the case management functionalities independently and transparent to each different Tenant.

This console contains all the UI case portal modules that enable the clerk to do all the case related work.

It is a web application designated for clerks in order to exchange in a consistent way the Structured Electronic Documents (SEDs) which are in the scope of EESSI.

The application should provide capabilities for searching the cases, notifying the clerk about outstanding cases and tasks, starting of a new case and executing specific human tasks on existing cases, accessing the international social security data exchange protocol in a contextual manner (guidance), visualising different operational reports, configuration and administration.

Component	Description
Access Control Interfaces	The core function of Access Control Interfaces is to validate the required credentials of users, administrators or several applications accessing information or protected resources in the subsystem environment (Login, Logout, Localization settings, Change password, Contextual Help).
Case Search	This UI module allows the user to search the cases he is interested in based on a free text to search and a configurable field chooser. It also allows the user to set some predefined searches based on a set of criteria (i.e., case criticality, importance, participants)
Institution Search	The "Institution Search" module is mainly available at any occasion it is necessary for the user to define, modify or update the Case participants list by providing the ability to uniquely describe a Case competent institution (define institution name and ID on the specific SEDs)
Case Management	This UI module allows the user to manage the cases. It provides the following functionality: - display the sectors and BUCs the user is entitled to - create/update a business use case within a specific sector - document managing for cases (create/attach/update/delete documents) - comments managing for cases (create/attach/update/delete comments)

	• attachments managing for cases/documents (create/attach/update/delete attachments)
Notifications	This UI component allows the user to see and manage the notifications received: • new cases and documents received from by a counter party • updates for an ongoing case • case and document delivery status: errors, warning or information • notifications filtering by severity, type, status & time • notifications navigating
Calendar	This UI component allows the user to schedule activities for personal calendar. For Each user the calendar allows to define manually activities, which should be performed in time being. The calendar also offers information concerning automatically generated notifications by system.

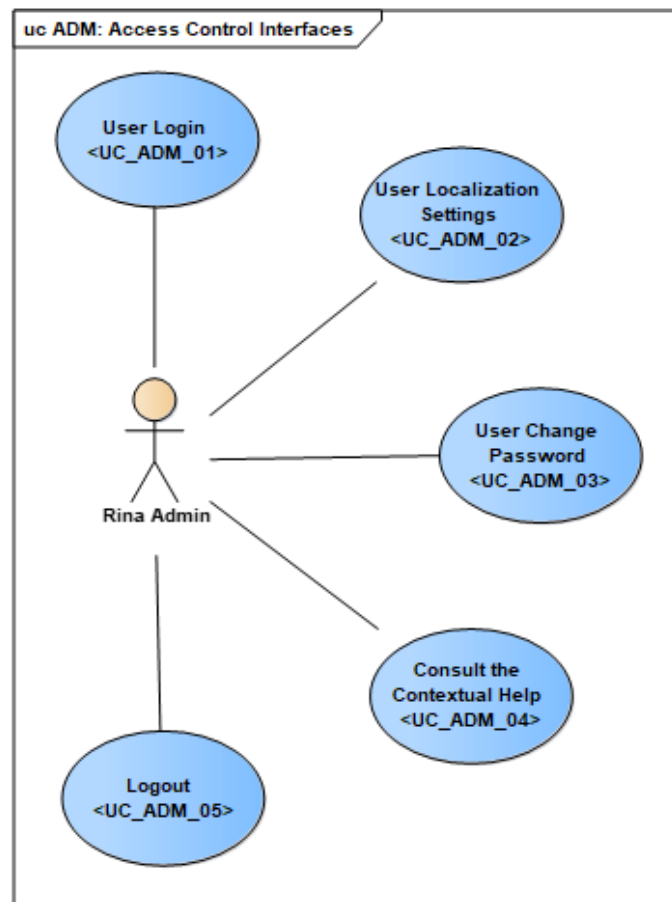
5.2 Interface Use Cases

General remarks:

1. The * character from all the labels of the fields means that they are mandatory.

5.2.1 Access Control Interfaces

Use case diagrams



Use Case View

UC_CPI_01 User Login

Use Case ID:	UC_CPI_01		
Use Case Name:	User Login		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can login and receive access to the functions related to assigned role. This use case is performed in two steps: first authentication (verification of the User's identity using his password) and then authorization (granting access to the functions of the system according to the role of the User).		
Trigger:	The User opens a Web browser, types in the RINA application URL, and clicks "Login" button on the "RINA Home Page".		
Preconditions:	1. An account for the specific User has been created by the administrator 2. The User has been supplied by the administrator with the appropriate username and password (credentials) and the relevant RINA URL address.		
Post conditions:	The User can perform any action he is authorized to in the system.		
Main Scenario:	#	Step actions	Expected Result
	1	The User opens a Web browser and types in the RINA application URL of the associated institution.	The "RINA Home Page" opens. This page contains a "Login" button.
	2	The User clicks "Login" button.	The "RINA Login Page" opens. The System checks also if the URL connection is secured. In case it is not, a notification is given in order to inform the user accordingly. This page contains: • A free text field labelled "Username:" where the user can enter his username

		• A free text field labelled "Password:" where the user can enter his password • A "Login" button
3	The User enters their username and password and clicks "Login" button.	The System validates the User's credentials and redirects the user to the RINA application. The RINA application navigates the user to the home screen, which follows a certain basic structure throughout the application. The RINA screen layout consists of four main parts: <u>1. Main Menu:</u> The Main Menu is a fixed UI element (navigation bar) at the top of the application. It contains the following navigation items: • "Case Search": provides the means to identify, access and manage specific EESSI cases • "Case Management" (visible only after accessing a case): covers all aspects of case management, including creation of case, creation of document, creation of a counterparty list, sending documents, running business process specific actions, listing cases, documents or actions and configuration of case manager • "Notifications" manages all events within the system that can be relevant for the user and allows keeping track of any relevant changes on existing or new information. • "Calendar:" permits the user to schedule activities for personal calendar • "User Menu" • Case quick access functionality – "Go to" case area – allows access to a specific case by using the appropriate case number. <u>2. Workspace:</u> The workspace corresponds to a virtual desk. It is a dynamic view where the actual content depends on the selected main menu item. Clicking one of the following menu items triggers a navigation change towards the relevant workspace sections: "Case Search", "Notifications" and

		"Calendar". The "Case Management" workspace can be accessed by performing UC_CS_05, UC, CM_01 or UC_NC_02 3. <u>Case Bar</u>: The Case Bar is a fixed element of RINA user interface, being visible and functional in every workspace. The Case Bar allows the creation of new cases. 4. <u>User Menu (Username – Institution)</u>: The Username and the Institution code are displayed as a label next to the "user menu icon" button on the top left corner of the main menu. When clicked, the following options are presented: "Localization Settings", "Change Password", "Help" (online contextual Help) and "Logout."
Exception Flow 1	The User enters wrong credentials (username or password)	The User authentication fails. The system displays login page with the following error message: "Your account is not recognized and cannot login at this time." The main scenario can be resumed by introducing the correct credentials.

UC_CPI_02 User Localization Settings

Use Case ID:	UC_CPI_02		
Use Case Name:	User Localization Settings		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All the RINA actors/roles (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can set up the localization settings: language, number format, data format, time format, currency and/or time zone		
Trigger:			
Preconditions:	1. The User is authenticated in RINA (UC_CPI_01)		
Post conditions:	The new localization settings are saved at user level and will be used for: Language:		

	- for all the labels and list of values displayed in RINA screens and for all the error message texts. - for the "Translate" button inside the received SEDs Date format - displaying the "Since/Update" date attributes of the case - displaying the System date in the "Case Information Bar" of the "Case Management" workspace Time Format: displaying the "Since/Update" date attributes of the case Time Zone: displaying the "Since/Update" date attributes of the case Currency: selected at User level		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks "User Menu (Username – Institution)" button from the main menu. This button's label is composed from the User's username and the Tenant Institution identifier as defined in the Institution Repository	The System displays a contextual menu with possible options for the User to select from the following buttons: "Localization Settings" "Change Password" "Help" "Logout"
	2	The User clicks "Localization Settings" button	The System displays "Localization Settings" form. This page contains: - a drop-down list field, mandatory, labelled "Language*" where the User must select the predefined language. - a drop-down list field, mandatory, labelled "Number Format*" where the User must select the format of numbers. The possible values are: 1.000,00 1,000.00 1 000.00 1000,00 1000.00 1 000,00 - a drop-down list field, mandatory, labelled "Date Format*" where the User must select the format of the date from the provided list of available date formats. - a drop-down list field, mandatory, labelled "Time Format*" where the User must select the default time format

			• a drop-down list field, mandatory, labelled "Currency*" where the User can select the default currency of the local RINA installation, from the list of available currencies • a drop-down list field, mandatory, labelled "Time Zone*" where the User must select the default time zone from the list of available time zones. All the fields are pre-populated with default values (as per set up of the Administrator). The window also contains: • a "Reset" button when clicked after any of the above fields are changed, but before saving the changes, it resets the changed values to the ones saved at User level. • a "Save" button
	3	The User selects the desired values of the localization fields and clicks "Save" button	The System save new values in the database which are used for: Language: • all the labels and list of values displayed in RINA screens and for all the error messages text. • the "Translate" button inside the received SEDs Date format • displaying the "Since/Update" date attributes of the case • displaying the System date in the "Case Information Bar" of the "Case Management" workspace Time Format: displaying the "Since/Update" date attributes of the case Time Zone: displaying the "Since/Update" date attributes of the case

UC_CPI_03 User Change Password

Use Case ID:	UC_CPI_03
Use Case Name:	User Change Password

Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All RINA Actors/Roles (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can change its own password		
Trigger:	N/A		
Preconditions:	The User is authenticated in RINA		
Post conditions:	The User's password is changed and can be used for future logins.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks "User Menu (Username – Institution)" button from the main menu.	The System displays a contextual menu with possible option for the User to select from: • "Localization Settings" button • "Change Password" button • "Help" button • "Logout" button
	2	The User clicks "Change Password" button.	The System displays "Change Password" form. This page contains: • a free-text field labelled "Old password: *" where the User must enter his current password. • a free-text field labelled "New password: *" where the User must enter the new password. • a free-text field labelled "Confirm new password: *" where the User must enter again the new password. The window also contains: • "Save" button • a "Reset" button - when clicked after any of the above fields are changed, but before saving the changes, it resets the changed values to the ones saved at User level
	3	The User enters the old and the new password in the dedicated fields and clicks "Save" button	The System compares the value entered in "Old password" field with the correct current password of the user. The new password replaces the old one and can be used for future logins.

			The System closes "Change password" form.
Exception Flow 1		The User enters different values in fields "New password: *" and "Confirm new password: *" and clicks on the "Save" button	The System displays the field "Confirm new password: *" in red. The System displays an error message under the field: "Passwords must match"
Exception Flow 2		The User enters a wrong value in the "Old password: *" field and values for the new and old password and clicks "Save" button	The System displays the error message: "Error registering a user. Old password of user does not match". The User can re-enter the value for this field and resume the main scenario.
Exception Flow 3		The User enters a value shorter than 8 characters in the "New password: *" field and leaves the field.	The System exhibit the field "New password: *" in red and displays an alert icon. The alert icon displays a message when mouse over: "Value is shorter than 8"

UC_CPI_04 Consult the Contextual Help

Use Case ID:	UC_CPI_04		
Use Case Name:	Help		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can access the Contextual Help		
Trigger:	The User clicks "User Menu" button from the main menu.		
Preconditions:	1. The User is authenticated in RINA		
Post conditions:	The User can consult the "Rina Help Manual".		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks "User Menu (Username – Institution)" button from the main menu.	The System displays a contextual menu with possible option for the User to select from: • "Localization Settings" button • "Change Password" button • "Help" button • "Logout" button

	2	The User clicks "Help" button	The System opens a new browser window/tab. This new window contains the content of "Rina Help Manual". The content shown is relevant to the action carried out by the Clerk when the help choice was selected. This window displays the content of the User Manual in an easy to navigate form. This content is available in English only. The new window includes in the left side: • A free text field "Search" where the User can enter the text to launch the search of the entered text in the content of the user manual, with: ◦ An x icon button to reset the search ◦ Two navigation buttons - "<<" and ">>" – for navigating the search results • A table of content where each entry is a button that enables the user to access that specific content.
	3	Optionally, the User enters test the "Search" field.	The System displays (next to the "Search" field), the number of matches in the document for the entered text. Also, the User is navigated to the location of the first match. The User can use the navigation buttons to navigate to the location of each search match.
	4	Optionally, the User clicks an entry from the table of content	The System takes the User to the selected section and the User has access to read the available information.
	5	Optionally the User closes browser window/tab.	The System closes "Rina Help Manual". The User can also leave the "Rina Help Manual" window opened and continue his work in RINA, and meanwhile consult needed information in the manual.

UC_CPI_05 Logout

Use Case ID:	UC_CPI_05
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Use Case Name:	Logout		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can logout from the RINA application.		
Trigger:	The User clicks "Logout" button.		
Preconditions:	1. The user is authenticated in RINA.		
Post conditions:	The user is logged out from the RINA application. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The user clicks "Logout" button	The User is logged out. The System displays the "RINA Home Page" where the user has the possibility to log in again.

Field Details

5.2.1.1.1 Localization Settings

No.	Item name	Type	Validation/ business rules
1	Language	Drop-down list	Mandatory
2	Number Format	Drop-down list	Mandatory Possible values: 1.000,00 1,000.00 1000.00 1000.00 1000,00
3	Date Format	Drop-down list	Mandatory Possible values: date formats
4	Time Format	Drop-down list	Mandatory Possible values: time formats
5	Currency	Drop-down list	Mandatory
6	Time Zone	Drop-down list	Mandatory Possible values : time zone formats

7	Save	Button	
9	Reset	Button	
10	Back	Button	

5.2.1.1.2 Change Password

No.	Item name	Type	Validation/ business rules
1	Old password	Free-text field	Mandatory. Has visible/invisible functionality available. Validations: • Minimum 8 characters • Matches the user's stored password
2	New password	Free-text field	Mandatory. Has visible/invisible functionality available. Validations: • Minimum 8 characters
3	Confirm new password	Free-text field	Mandatory. Has visible/invisible functionality available. Validations: • Minimum 8 characters
4	Save	Button	
5	Reset	Button	
6	Back	Button	

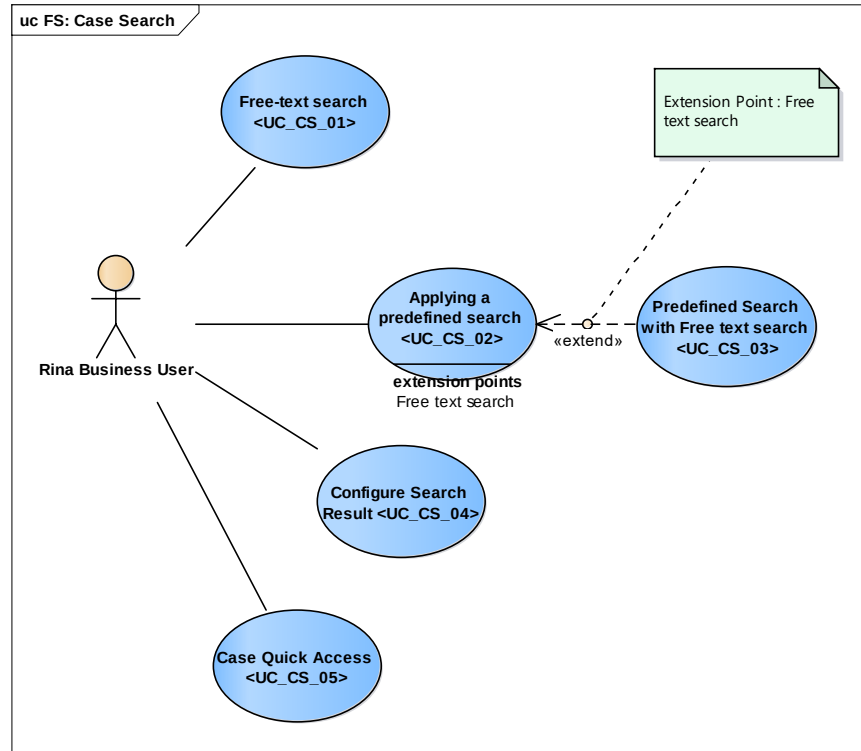
5.2.1.1.3 Help

No.	Item name	Type	Validation/ business rules
1	Search	Free text field	The user can enter the text and press enter to launch the search of the entered text in the content of the user manual)
2	X icon	Button	
3	<< and >> icons	Button	After a search is performed, used to navigate the search results
4	(Table of content)	Button	Each entry in the table of content is a button

			associated to the specific content
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5.2.2 Case Search

Use case diagrams



Use Case View

UC_CS_01 Case Search – Free text Search

Use Case ID:	UC_CS_01		
Use Case Name:	Case Search – Free text Search		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can search for cases using the "Free text Search" functionality.		
Trigger:	The User clicks "Case Search" button from Main Menu.		
Preconditions:	1. The User is authenticated in RINA. 2. The case(s) the User wants to search exists in the system.		

Post conditions:	The cases complying to the search criteria are displayed in the "Search results" area of the "Case Search" workspace. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The user clicks "Case Search" button from the Main Menu.	The System displays the "Case Search" workspace. This step can be skipped if the user just performed UC_CPI_01, as the "Case Search" workspace is the default workspace displayed to the User after login. The "Case Search" workspace contains • a text search area for free text search • a "Predefined Search list" dropdown selector that allows the User to select from his predefined search definitions • a "Predefined Search" button to access the "Predefined Search List" form • a "Field chooser" button to access a window that enables additional possibilities to configure the presentation of search result list • a "Search results" area that is empty until the first search is launched. After a search is launched, this area contains the grid with columns: "Role", "Case ID", "PIN", "Name", "Surname", "Birth Date", "Flow Type", "Status", "Actions" and a checkbox field to select all the results of the search For the "Text Search" functionality, the User is provided with: • an info icon - when mouse over, it displays an explanatory message: "You can search for more than one word in a single search", For example, "Smith 1234" return results that contain both the words "Smith" and "1234" in any of the searchable fields".

			• a free text field to enter the text to search. • a “magnifying glass” icon button to launch the search • a red x icon button to reset the current search – if clicked, it will empty the free text field and the results displayed in the “Search result” area
	2	The User enters the text for the search and clicks the “magnifying glass” icon or hits the keyboard Enter key to launch the search.	The System launches the search using the free-text search engine that has the following features: 1. Any search is performed as a free text search across the predefined (default) case metadata fields that are: • “Person name” • “Surname” • “Birth date” • “Case id” • “Local PIN” • “Case type” • “Case status” These case metadata values are retrieved from the starter SED of the case. Exceptions: 1.1 For cost-reimbursement BUCs, instead of the “Person name” and “Surname”, the identifier of the institution is used in the search. The “Surname” and the “Birth date” will be blank. 1.2 For BUCs that have a repetitive “Person” block/“PIN” block in the starter SED, only the “Case type”, “case id”, “Case Status” and the non-repetitive fields is used in the search. When displaying the search results, the “Person name”, “Surname”, “Birth date” and “local PIN” may be blank, if they are part of a repetitive section. 1.3 For BUCs that have an “Employer” block, only the “Case Id”, “Case type” and “Case status” are stored 2. The search supports more than one word/token in a single search. Special Operators for the multi-token search:

		2.1 The search engine applies a logical "AND" operator to the space-separated values inserted in the search string. The order of the tokens must be the same as the one in the case metadata field. 2.3 The character '+' signifies a logical AND operation (this operator is optional since the space also signifies a logical 'AND'). 2.4 The character '-' negates a single token and returns results that do not match the specific tokens; 3. When searching with date, only the format "yyyy-mm-dd" is valid. 4. User can search for '*' as placeholder term to list all the available cases. The character '*' can be used as wild character inside any search string (i.e., search with 'AW*', returns all the Cases of the specific BUC type) 5. The case search is not case-sensitive for predefined metadata fields. The results of the search are displayed in the Search results area. In case the search criteria identify more than 100 case, only the newest last 100 cases are displayed. The number of the search returned results is shown in parentheses next to the label "Search results for all cases". Every row of the result list represents a case. The results are grouped per BUC type (ordered alphabetically). Inside each BUC type group, the cases are ordered descending, based on the Local id. For each BUC type group, the displayed values depend on the case metadata attributes chosen with the "Field Chooser" functionality. Except from the case metadata displayed attributes, the User have available, for each case displayed: • a <u>checkbox field</u> to select the case: when checked, next to the "Search results for all cases"
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			label, the system displays the "Case Assignment" button – when clicked it opens the Case Assignment form. The User can select one or more cases before clicking on the Case Assignment button. In the "Case Assignment" form, the User can perform UC_CM_10 that enables him to assign/unassign all the selected cases to Clerks and to set the importance and criticality of a case. The User can also select all the listed cases by clicking on the selected all cases checkbox field. By checking this field, the Case Assignment button is displayed, as expected. For each search result, a "View" button is available, when clicked it navigates the User to the "Case management" workspace of the case.
Exception Flow 1		The text entered by the User cannot be matched with the metadata of any case	The System displays the "Search result" workspace empty.

UC_CS_02 Case Search – Defining a predefined search

Use Case ID:	UC_CS_02		
Use Case Name:	Case Search – Defining a predefined search		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can define his own search criteria, save the definition, and use it to search for cases.		
Trigger:	The User accesses "Case Search" workspace from the main menu and clicks "Predefined search" button.		
Preconditions:	- The User is authenticated in RINA. - The case(s) the User wants to search exists in the system.		
Post conditions:	The definition for case search is saved as a predefined search and can be used for searching cases.		

An audit event is raised into Audit Log.			
Main Scenario:			
	#	Step actions	Expected Result
	1	The User accesses the "Case Search" workspace from the main menu and clicks "Predefined search" button.	The System displays the "Predefined Search List" form that contains • a "Refresh" button • a "Back" button – when clicked, it navigates the User back to the "Case Search" workspace • a free text search field with "magnifying glass icon" to launch a search in the predefined search definitions and "x icon" to reset the search • an "Add predefined search" button • a grid displaying all the predefined search definitions saved in the system, with the header: "Name", "Case Type", "Importance", "Criticality", "Status", "Actions". All the columns of the header, except for the Actions column, are buttons – when clicked, sort the results of the search ascending/descending. For each Actions column, the User has available 2 buttons: ○ "Edit" button – when clicked, it launches the "Predefined Search Form" with the definition of the selected predefined search and the User can make changes in the definition. ○ "Delete" button – when clicked it enables the User to delete selected the predefined search
	2	The User clicks "Add" "predefined search" button.	The System displays the "Predefined Search Form" with the following fields: • a mandatory, free-text field labeled "Name*" where the User must enter the name of the predefined search (so the User can identify it later and launch it)

		• a "Colors" dropdown list field with colored icons to select from • two drop-down fields labelled "Case type" where the User can select the required Sector and BUC type(s). These two fields allow multiple selection • an area labelled "These Users or Groups" where the User can select the users and/or groups, to whom the cases are assigned. This area contains: ◦ a checkbox field labelled "Me"- when selected, it hides the rest of the fields from this area. Selecting "Me" checkbox field results in showing all cases assigned to own User account. ◦ a "Select Group" selection field where the User can select the group and use the "Add" button to apply the selection. ◦ a "Select User" selection field where the User can select the User(s) use the "Add" button to apply the selection. • a field with "Institution search" functionality enabled (see "UC_IS_01 Institution search"-only main scenario – free text search), labelled "Participants", where the User can select the institutions that are participants in the searched cases. Once selected, clicking on the "Add" button applies the selection. • a drop-down field labelled "Importance" with possible values "Normal" and "High" and "all" • a drop-down field labelled "Criticality" with possible values "Normal" and "High" and "all" • a drop-down list field labelled "Statuses" with possible values "Archived", "Removed", "Closed", "Open" and "all" (more than one value can be selected) • a drop-down list field labelled "Time interval" with possible values "CUSTOM RANGE", "ANY TIME", "PAST YEAR", "PAST 24 HOURS", "PAST HOUR", "PAST
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			MONTH", "PAST WEEK". When "CUSTOM RANGE" is selected, two additional fields are displayed – "Start Date" and "End Date" for the User to select desired interval • a "Reset" button - when clicked it clears all the unsaved selected values from the form • a "Save" button
	3	The User enters a predefined search name and selects the desired values. Selecting no entry in one of the predefined search sections means that no filtering is made concerning this category. The User clicks on the "Save" button.	The System closes "Predefined Search Form". The System displays Predefined Search list. The newly created predefined search definition is displayed in the grid, together with the other previously defined definitions. The User can: • <u>search</u> the newly created definition by entering search text in the free text search field and clicking on the "magnifying glass icon" button • <u>edit</u> the newly created definition by clicking on the "Edit" button of the predefined search definition • <u>delete</u> the newly created definition by clicking on the "Delete" button of the predefined search definition
Exception Flow 1		At step 3, the User enters in the "Name" field a value that identifies an existing predefined search definition created by the same User and clicks "Save" button.	The System displays the error message: "Error saving search definition Cannot add the search definition because there is another one with this name."
Exception Flow 2		At step 3, the User leaves the "Name" field blank and clicks on the "Save" button.	The System mark "Name" field in red and the predefined search is not saved in the system.

UC_CS_02_extention Case Search – Applying a predefined search

Use Case ID:	UC_CS_02_extension		
Use Case Name:	Case Search – Applying a predefined search		
Created By:	Mihaela Manolache	Last Updated By:	

Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can search based on a predefined search		
Trigger:	The User accesses the "Case Search" workspace from the main menu and selects from the "Predefined search list" field the desired definition.		
Preconditions:	1. The User is authenticated in RINA. 2. The case(s) the User wants to search exists in the system. 3. At least one predefined search definition was created by the User using UC_CS_02		
Post conditions:	The cases complying to the search criteria are displayed in the "Search results" area of the "Case Search" workspace. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User accesses the "Case Search" workspace from the main menu and selects from the "Predefined search list" field the desired definition.	The System starts the search immediately, and the results appear in the "Search Results" workspace. The Predefined Searches are user-specific and are available only to the creator. The label of the search area is adjusted to match the name of the predefined search: "Search results for <name of the predefined search>". The number of the search return results is shown in parentheses next to the workspace label. Next to this label the User has available a "Reset" button – when clicked, it empties the search result area and the selected value from the "Predefined search list" field

UC_CS_03 Case Search – Predefined Search with Free text search

Use Case ID:	UC_CS_03		
Use Case Name:	Case Search – Predefined Search with Free text search		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	

Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can use the free search functionality on a subset of cases as resulted from applying a predefined search definition.		
Trigger:	The User accesses the "Case Search" workspace from the main menu and selects from the "Predefined search list" field the desired definition.		
Preconditions:	1. The User is authenticated in RINA. 2. The case(s) the User wants to search exists in the system. 3. The User defined a predefined search with UC_SC_02		
Post conditions:	The cases complying the combined search criteria are displayed in the "Search results" area of the "Case Search" workspace. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User accesses the "Case Search" workspace from the main menu and selects from the "Predefined search list" field the desired definition.	The System displays the results of the predefined search in the Search result area.
	2	The User performs UC_SC_01 by entering text in the free text search field and clicking the "magnifying glass" icon.	The System displays the results on the "Search results" area and filter them with the criteria entered in the free text search field. Only cases matching the entered text are displayed. The User can revert to results from step 1 by clicking on the "x icon" button of the free text search field. Alternatively, the User can drop the predefined search filtering by clicking on the "Reset" button – by doing so, the "Search results" area displays all cases matching the free text search field value.
Alternative flow		The User performs step 2 first and then step 1.	Same result as at step 2.
Exception Flow 1		The text entered by the User cannot be matched with the metadata of any of the predefined search cases	The System displays the Search result workspace empty.

UC_CS_04 Case Search – Configure Search Result

Use Case ID:	UC_CS_04		
Use Case Name:	Case Search – Configure Search Results		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can choose from the case metadata fields used for the search of a case what information to be displayed in the "Search results" workspace		
Trigger:	The User clicks "Field Chooser" button in the "Case Search" workspace.		
Preconditions:	1. The User is authenticated in RINA.		
Post conditions:	The chosen fields and preferences for a search on a type of case (BUC type) are saved at User level and will be used for future searches and for updating the current search results (if previous search has been performed and the results are displayed for the User in the "Search results" area). An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks "Field Chooser" button in the "Case Search" workspace.	The System displays the "Field Chooser" form that contains: an area for selecting the type of the case, containing a label- "Case type" and 2 drop down list fields to select the Sector and the BUC type from the selected Sector (second drop-down list field is populated with possible values based on the selection of the first field). As the search result list is grouped by case type, a specific customization can be made for every case type.
	2	The User selects a Sector and the type of case within the sector	After the "Case type" area is filled in, a new area is displayed- "Fields" area, that contains the available case metadata fields for the selected Case type. For each field, the clerk can configure the following: a button for selecting whether the type of metadata should be displayed or not. The default

		value is set to YES. Clicking on the button interchanges between the possible values YES/NO. a button for selecting the direction for sorting the results. Clicking on the button changes between the possible values ASC -for ascending sort, DESC- for descending sort, SORT – no sorting. The default value is to use it in the sort ascending – ASC. The available types of case metadata displayed are: For non-reimbursement BUCs: • "PIN" • "Name" • "Surname" • "Birth date" • "Case id" • "Flow Type" • "Status" For reimbursement BUCs, the available types of case metadata displayed are: Sickness sector (S_BUC_18/S_BUC_18a): • "Creditor" • "Debtor" • "Name" • "Case id" • "Flow type" • "Status" Sickness and AWOD sectors (AW_BUC_05, AW_BUC_15, AW_BUC_23, S_BUC_19, S_BUC_21, S_BUC_22, S_BUC_23): • "CaseOwner" • "CounterParty" • "Liaison body" • "Case Id" • "Flow Type" • "Status" Unemployment sector (UB_BUC_04): • "CaseOwner" • "CounterParty" • "Reimbursement ReqID" • "Case Id" • "Flow Type" • "Status" Pension sector
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			(P_BUC_02): • "PIN of Claimant" • "Forename of Claimant" • "Surname of Claimant" • "Birth Date of Claimant" • "PIN of Insured" • "Forename of Insured" • "Surname of Insured" • "Case Id" • "Flow Type" • "Status" The area also contains an informative text label- " Drag to reorder fields" - that informs the User that he can reorder the above types of metadata and the selected order is used to display the search results. On the bottom of the area, the "Update" button allows the User to save his choices.
	3	The User selects the Sector, the type of case (BUC type), the desired values for the metadata, drags and reorders the case metadata fields and clicks "Save" button.	The System displays the information message:" Success Case search fields successfully saved" The System saves the settings at user level and are used when displaying search results for the selected case type (BUC type) when the user performs future searches.
Alternative scenario 1	1	Alternatively, the "Field Chooser" screen of a specific Case Type (BUC) can be selected by clicking on the "wheel icon" button located next to the header with the Sector/Case Type name on the "Search Results View"	Same steps as in the main scenario. When saving the changes, the System display the results adapted to the changes.
Exception flow 1	1	At step 3, the user makes no changes and clicks "Save" button.	No action is done

UC_CS_05 Case Quick Access - "Go to Case"

Use Case ID:	UC_CS_05		
Use Case Name:	Case Quick Access - "Go to Case"		
Created By:	Mihaela Manolache	Last Updated By:	

Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can access a case using the "Go to Case:" editable field on the Case Bar		
Trigger:	The User clicks the "(Local id)" button in the "Go to" case area.		
Preconditions:	1. The user is authenticated in RINA. 2. The case the user wants to display exists in the system. 3. The user knows the ID of the case (any of the available IDs, Local Id, Business Id and/or International ID).		
Post conditions:	The system displays the case in the "Case Workspace" window. Based on the policies assigned to the User, the appropriate case actions will be enabled. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "(Local id)" button in the "Go to" case area to select the type of id he wants to use to search the Case (Local ID is the default value). If he wants to access the case using Local id, this step and the next can be skipped. The "Go to" case area is present on all the main workspaces selected from the main menu ("Case Search, Case Management, Notification, Calendar")	The System displays a form with buttons for the 3 types of ID of a case is under the "(Local ID)" button: "Local ID", "Business ID", and "International ID".
	2	The User selects the type of id he/she wants to use by clicking on one of the 3 values.	The System hides the 3 types of IDs and the "(Local ID)" label of the button is displayed with the selected option
	3	The User enters the id of the case he wants to access in the "Go to Case" editable box from "Case Bar" and clicks on the ">" icon button or hits the Enter key from the keyboard. For Local ID, the provided input can be one of the following based on the	The System checks: • if the specified case exists in the system • if the user's policies grant him access to the case. The System opens "Case Workspace" form for the searched case when the checks are passed. The available actions displayed for the case are dependent on the Assignment policies of the user.

		setting made by the Administrator: • Default (single integer value, i.e., '12345'), • HTTP call-back (additional ID added to the Default integer separated by a dash character [-], i.e., '12345 - xyz7573'), or The custom counter pattern ([INTEGER] - [STRING], i.e., '12346 - INST2-PENSION-00001510').	
Exception Flow 1		At step 3, the User enters an ID that does not identify an existing case in the system	The System displays the error message " Error Specified case does not exist." The User can resume main scenario and can retry to access the Case by entering a new correct "Local Id"
Exception Flow 2		The User is not authorised by the policies assigned to him to view the case. This applies, for instance, when the case is marked as Sensitive with a VIP Flag =YES, and the user does not have a VIP Role	The System displays an error message: "Cannot get case: The user with userName: [<username>] is not authorised"

Fields Details

5.2.2.1.1 Case Search

No.	Item name	Type	Validation/ business rules
1	(Text to Search)	Free-text field	The case search is case-sensitive
2	Magnifying glass icon	Button	Launches the search
3	X icon	Button	When clicked, empties the free text field and the results displayed in the "Search result" area
4	(Select all)	checkbox	When checked after performing a search, selects all search results and launched the Case assignment for the selected cases
5	Field chooser	Button	When clicked, opens the Field Chooser Form
5.1	Case Type	Area	

5.1.1	(Sector)	Dropdown list	
5.1.2	(BUC Type)	Dropdown list	
5.2	Fields	Area	Enabled after the Case Type area is filled in
5.2.1	(Case metadata field)	Area	One for each type of case metadata field, depending on the type of BUC selected in the Case Type area. Enabled to be dragged and dropped.
5.2.1.1	(Included)	Button	When clicked, the value switches between YES and NO
5.2.1.2	(Sort)	Button	When clicked, the value switches between ASC, DESC and SORT
5.3	Save	Button	
5.4	Reset	Button	
5.5	Back	Button	
6	New predefined search	Button	When clicked launches the "Predefined Search" area

6.1	Name	Free-text field	Mandatory (where the user must enter the name of the predefined search) On save – checked to be unique against already saved predefined search definitions associated with the user
6.2	Colors	Area	Area contains colored icons to select from
6.2.1	Color icon	Button	Default: no value selected
6.3	Case type	Area	The user can choose the Sector and the type(s) of BUCs he wants to search for
6.3.1	(Sector)	Drop-down list	Default value: none Possible values: list of sectors Only one possible value to be selected.
6.3.2	(BUC type)	Drop-down list	Default value: none Possible values: list of BUCs associated with the sector selected in (Sector)

			When selecting a value, the selection is displayed in a grid under the field.
6.3.3	Check all	Button	Enabled when selection is made in (Sector) When clicked, populates the "(BUC type)" with all the possible values, comma separated
6.3.4	Uncheck all	Button	Enabled after a selection is made in (BUC type) When clicked, clears the selection from (BUC type)
6.3.5	X icon	Button	Enabled for each selection made in (BUC type) When clicked, clears the associated value from the selection.
6.4	Users or groups	Area	The user can select the users or groups, to whom the cases are assigned.
6.4.1	Me	Checkbox	Default unselected When checked, disables the group selection in the User and groups area. When unchecked after selection, populates the group selection with the user's group in the User and groups area
6.4.2	(Groups) ~ icon	Drop-down list	Possible values: the list of existing groups of users from the Tenant institution. After a selection is made, the users included in the selected group are displayed under the Select user: label
6.4.3	Add	Button	Default disabled. Enabled when a selection is made from the (Groups) ~ icon
6.4.4	X icon	Button	Enabled for each added group. When clicked, clears the selection of the group.

6.5	Participants	Area	
6.5.1	(Participant)	Institution search enabled field	Enabled After a selection is made, the selected value is displayed.
6.5.2	Clear	Button	Enabled for each selected participant. When clicked, clears the selection of the participant.
6.6	Importance	Drop-down field	Possible values: Normal High
6.7	Criticality	Drop-down field	Possible values: Normal High
6.8	Statuses	Drop-down field	Contains possible values Archived, Removed, Closed, Open (more than one value can be selected)
6.9	Time interval	Area	
6.9.1	Time interval	Drop-down field	Contains possible values CUSTOM RANGE, ANY TIME, PAST YEAR, PAST 24 HOURS, PAST HOUR, PAST MONTH, PAST WEEK
6.9.2	Start date	Date field with calendar selector	Enabled when selection from Time interval is CUSTOM RANGE
6.9.3	End date	Date field with calendar selector	Enabled when selection from Time interval is CUSTOM RANGE
6.10	Delete	Button	Will enable the user to delete a predefined search definition
6.11	Save	Button	
7	(Predefined search)	Button	Labelled as defined by the user
7.1	Edit	Button	One for each Predefined search. When clicked, opens the "Predefined Search" area
8	Search results	Area	This area will be empty until search is performed
8.1	(Select result)	Checkbox field	One for each result in the Search area.

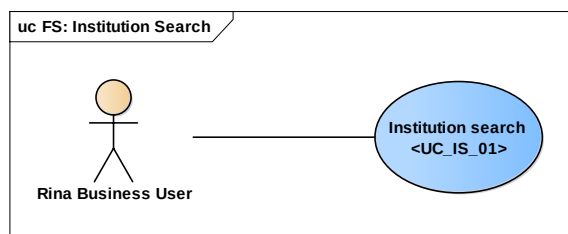
			When clicked, opens the Case assignment area
8.2	View	Button	One for each result in the Search area. When clicked, opens the Case management
8.3	Wheel icon	Button	When clicked, opens the Field chooser Area
9	X Reset	Button	Enabled after a predefined search is performed. Used to reset search results

5.2.2.1.2 Go to case

No.	Item name	Type	Validation/ business rules
1	Go to (Enter case id)	Free text box field	In conjunction with value selected in (Local ID), checked against available cases in the system.
2	(Local ID)	Button	When clicked, buttons for the 3 types of ID of a case are made available on top of the (Local id) button
3	Local ID	Button	
4	Business ID	Button	
5	International ID	Button	

5.2.3 Institution Search

Use case diagrams



Use Case View

UC_IS_01 Institution search

Use Case ID:	UC_IS_01
Use Case Name:	Institution search

Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can search for an institution in a field with "Institution search" functionality enabled. This type of field can be found in the "Choose participants/Update participants" forms when creating a case, or inside SEDs when an "Institution id" field should be filled in with the correct input. Not all Institution id fields from the SEDs have the "Institution search" functionality enabled, based on business rules.		
Triggers:	1. UC_CM_02 Set up initial exchange participants – "Choose participants" or 2. UC_CM_03 Update the list of participants - "Update participants" or 3. Filling in a SED with Institution id field with "Institution search" functionality enabled		
Preconditions:	1. The User is authenticated in RINA. 2. The User is performing one of the following use cases UC_CM_02, UC_CM_03 and wants to fill in a Receiver field (a field with "Institution search" functionality), or The User is filling in a SED and activates the search Institution functionality within a SED field (usually a field labelled Institution id). 3. The IR synchronization has been performed at least one time.		
Post conditions:	The field with "Institution" "search" functionality is populated with a value.		
Main Scenario:	#	Step actions	Expected Result
	1	The User types in at least 2 characters in the field with "Institution search" functionality.	The typing activates the "Free Text" or the "One word" searching approach, where the given input (essentially the first word of the user input) is compared against the entire information contained in the institution description object (name, ID, country code) The Institution search engine supports the following rules: • It filters, in a result list, only the institutions associated with the given (active BUC type) competence related to the active Case; • It searches the word given against the following fields of Institution object (the search is

			performed synchronously with the input typing): ○ "Institution Name" (i.e., the search engine looks for the given input in strings like "Hungarian Office of EESSI") ○ "Institution Acronym" (i.e., "HU: HUNA01") ○ "Country Code" (i.e., "HU") ○ "Active Since" date (i.e., "2012", or "2012-01-01") ○ "Registry Number" (i.e., "1234") • "00" combination or a country code (i.e., "BG") returns and displays possible results (of competent/ permitted institutions). In case the required institution is not provided among the results, the user needs to provide more specific searching criteria or to use the Advanced Institution search functionality • The current implementation supports only ONE-WORD search, and the additional words are not taken into consideration (the searching is performed against ONLY the first word of any given input text). • User can search for "00" or the Country code (i.e., "BG") as placeholder term to list available competent institutions. No other wild characters are available • The "Institution Search" is performed only on the Institutions with the specified competence • The "Institution Search" is case-insensitive • User can search with "Active Since" field for institutions activated in a specific "Year". The "Active Since" search is a string comparison and NOT a true date comparison • Special attention should be paid on searching criterion "Active Since" because RINA returns the Institutions that were activated
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			within the specified year and not the institutions that have been activated in the period between the mentioned year and today. For example, in the case of searching "Active since" set to "2012", the results contain ONLY the institutions activated within calendar 2012 but not the institutions activated in year 2013 and later A list with matching institutions is displayed to the user.
	2	The User selects the desired Institution.	The System closes the list of results, and the field is filled in with the selected value
Exception Flow 1		The typed characters do not identify any Institution	The System mark the field in red. The User can still return to the main scenario by modifying the typed characters.
Alternative scenario	1	The User clicks on the "magnifying glass" icon from the top left of the field with "Institution search" functionality. (this icon is available even after a value is selected to give the possibility to change the selected value)	The System opens the "Institution Advanced Search" form. This form contains: • a drop-down list field labelled "Country*," mandatory to select a value, with the list of all EESSI countries. • a drop-down list field labelled "Sector*," mandatory to select a value from the list of Sectors • a drop-down list field labelled "Process*," mandatory to select a value from the list of processes, containing the names of types of EESSI BUCs from the selected "Sector*" The following fields appear in the form only after a Country, Sector and Process are selected: • "Valid from" with calendar enabled function to select a date • "Valid to" with calendar enabled function to select a date • a drop-down list field labelled "App Role" with possible values Counter Party and Process Owner The form also contains a "Search" Button and a "Close" button. In case the user clicks the "Cancel" button, the System closes the

			"Institution Advanced Search form", and the focus is returned to the window containing the field with Institution search functionality. The field will be as it was before accessing the functionality- empty or with the previously selected value.
	2	The User selects values for the fields in the "Institution Advanced Search" form and clicks "Search" button (button)	The searching fields are replaced with a grid named Institution results. In this grid, the system displays the results of the search (all the institutions that match). The grid has the following header: • "Institution", for each result, the "id", "acronym", "name", "countryCode" of the institution is listed • "Country", for each result the name of the country of the institution • "Sector" • "BUC Type (Code and Name)"- the "Process" selected for the search • "Application Role", possible values: "PO" or "CP" • "Validity start date", under which the "Validity start date" of each institution is listed • "Validity end date", under which the "Validity end date" of each institution is listed • "Official id" • "Registration Number" The window also contains a "Cancel" button – when clicked, it hides the results grid and displays the search fields.
	3	The User selects the correct institution by clicking on the corresponding row from the grip.	The System closes "Institution Advanced Search" form, and the focus is returned to the window containing the field with Institution search functionality. The field is filled in with the selected value.
Exception Flow 1		The selected search criteria do not retrieve any Institution	The System displays the results grid and instead of values, an error message is displayed: "No records found." The user can return to the Alternative scenario by clicking on

		the "Cancel" button to return to search fields and changing the search criteria.
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Field Details

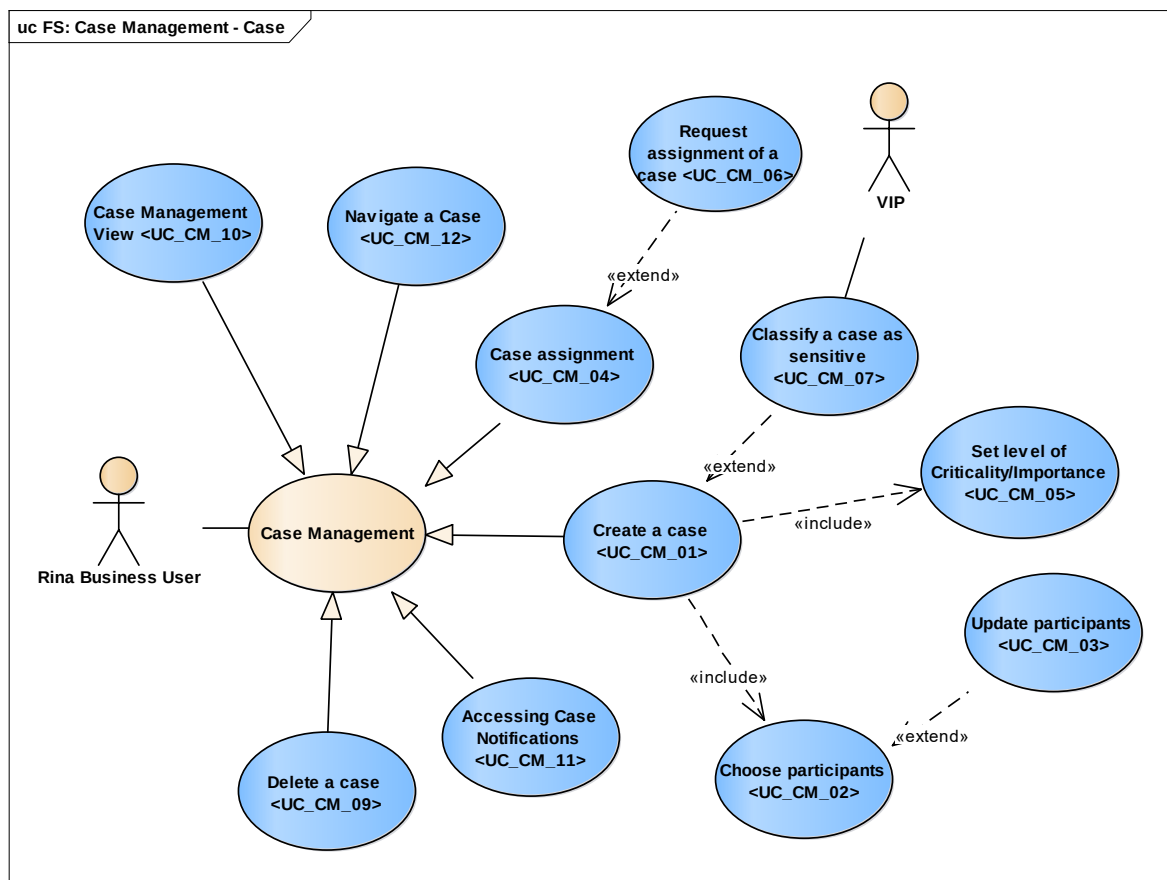
5.2.3.1.1 Institution Search

No.	Item name	Type	Validation/ business rules
1	(Institution search enabled field)	Free-text field	When typing inside the field, the Free Text" or the "One word" searching approach is activated.
1.1	Magnifying glass icon	Button	When clicked, the "Advanced Institution Search" pop up window opens
1.1.1	Country*	Drop-down list	Mandatory Possible values: the list of all EESSI countries.
1.1.2	Sector*	Drop-down list	Mandatory Possible values: the list of EESSI sectors
1.1.3	Process*	Drop-down list	Mandatory Enabled after Sector* field is selected. Possible values: the list of BUCs from the selected sector
1.1.4	Valid from	Date field with calendar selector	Enabled after selecting the Country
1.1.5	Valid until	Date field with calendar selector	Enabled after selecting the Country
1.1.6	App Role	Drop-down list	Enabled after selecting the Country Possible values Counter Party and Process Owner
1.1.7	Search	Button	
1.1.8	Cancel	Button	
1.1.9	Back	Button	Enabled after a successful search

5.2.4 Case Management Workspace

Case Management

5.2.4.1.1 Use case diagrams



5.2.4.1.2 Use Case View

UC_CM_01 Create a case

Use Case ID:	UC_CM_01		
Use Case Name:	Create a case		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Date:	Revision
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a user can create a new case.		
Trigger:	The User selects the desired sector from the "Choose sector" drop-down list field from the "Case Bar"		
Preconditions:	1. The User is authenticated in RINA. 2. The User is authorised to create cases by a Creator Policy or		

	The User is part of a group that is authorised to create cases by Creator Policy and the user has assigned a role that allows him to create cases (Authorized Clerk or Un-Authorized Clerk) 3. The User is authorised to view cases by a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to view cases 4. The Tenant Institution is authorised to create cases as Case Owner (as per IR settings synchronised in RINA)		
Post conditions:	A new case is created in the system and the case is displayed to the User in the "Case Management" workspace. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User selects the desired sector from the "Choose sector" drop-down list field from the "Case Bar"	The System populates the list of values of the "Choose case type" drop-down list with the case types specific to the selected sector.
	2	The User selects from the "Choose case type" field the desired case type to be created.	The System enables the "New case" button.
	3	The User clicks on "New case" button.	The System creates a new case and displays the new case to the user in the "Case Management" workspace. The creation initializes the case specific attributes and sets up the available actions in the case. <u>1. Case specific attributes:</u> The System allocates automatically generated values for the following attributes of the case: • "Local Id" – local identifier of the Case, unique for the instance of RINA where the case was created, generated automatically • "Business ID" – local parameter of the case generated based on the Admin settings in Case Counter Settings (this parameter will remain unchanged during an archive/unarchive action) • "International ID" – globally unique case identifier to allow the correlation of all the SEDs exchanged within a business use case being carried out between two or more participants, computed with java's UUID.randomUUID algorithm • "Since" – Case creation date, populated with system date

			• "Update" – Latest Case Update date, populated with system date These attribute values are displayed to the user in the "Case Information Bar" 2. Available actions: The system checks the Assignment Policies of the User and based on the rights in the Policy, displays the available actions: "Choose Participants" and "Delete Case". These actions are displayed to the user in the "Case Action Bar".
Exception Flow 1		The User does not have a Creator policy assigned (directly or via a group the user is part of)	The System displays the following error message when clicking the "Create" button: : "Error creating the case: Cannot create a new case: Error starting case[processDefinitionName=<CASE_TY PE_CODE>)] as the user [username=<User Name>]: not authorised"
Exception Flow 2		The Creator Policy assigned to the User (directly or via a group the user is part of) is not assigned to the case type the user is trying to create	The System displays the following error message when clicking the "Create" button: "Error creating the case: Cannot create a new case: Error starting case[processDefinitionName=<CASE_TY PE_CODE>)] as the user [username=<User Name>]: not authorised".
Exception Flow 3		The User does not have a Case policy allowing him to view the case (directly or via a group the User is part of). The User is allowed to perform steps 1 to 3	The System creates the case at step 3. The user is not navigated to the "Case Management Workspace", as he/she is not allowed to view the case.
Exception Flow 4		The Tenant Institution is not authorised to be Case Owner for the case type selected by the user	The System displays the following error message error when clicking on the "Create" button: "Error creating the case: Cannot create a new case: Error starting case[processDefinitionName=<CASE_TY PE_CODE>)] as the user [username=<User Name>]: not authorised"

UC_CM_02 Set up initial exchange partners – "Choose participants"

Use Case ID:	UC_CM_02
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Use Case Name:	Set up initial exchange partners – “Choose participants”		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User sets up the initial exchange partners after the creation of a case. Before starting the exchange by creating and sending SEDs, it is necessary to choose one or more Counterparties for a case.		
Trigger:	The user clicks on the button “Choose participants” from the “Case Action Bar”.		
Preconditions:	1. The User is authenticated in RINA. 2. The case was created in the current instance of RINA (the RINA Tenant institution is the Case Owner of the case) with UC_CM_01. 3. The case is active and exists in the system. 4. The User is accessing the case in the “Case Management” workspace. 5. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to perform assignment (Supervisor) 6. An IR Synchronization has been performed		
Post conditions:	The participants of the case are chosen and saved at case level and the “Choose participants” action is disabled. One audit event is raised for opening the form and one for submitting it.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the “Choose participants” button from the “Case Action” Bar	The System displays “Choose participants” form where the user can choose the participants. The form contains: • a field labelled “Sender”, disabled, populated with the Tenant Institution. • a field labelled “Receiver”, mandatory to be filled in with the receiving institution and a corresponding “Delete” button. • an exit page “x” button • In case the BUC allows more than one participant an “Add” button that repeats the empty field “Receiver” for the user to be able to add additional receivers

			• a "Yes" button • a "No" button The System inactivates the "Case Management" workspace until this form is exited
	2	The User performs UC_IS_01 to identify the receiving participant in the field "Receiver".	A value for the field "Receiver" is selected
	3	In case the BUC allows more than one participant, step 2 can be repeated by clicking "Add." button	The System displays a new empty field "Receiver is" in the "Choose Participants" window, under the field(s) already populated with values. Step 2 must be repeated.
	4	The User clicks "Yes" button.	The System closes "Choose Participants" form. The User is returned to the "Case Management" workspace. The case is updated accordingly: • The "Choose participants" button from the "Case Action Bar" is visible anymore • The "Update participants" button is displayed in the "Case Action Bar" • The "Create <SED_Code>" action(s) button(s) to create starter SED(s) becomes available to the user (if the user has Authorised Clerk role assigned) • The "Case Toolbar" is updated with the number of participants. The label "Participants (0)" is updated to "Participants (x)," where x is the number of participants, including the Sender Participant. • When clicking on the "Participant" button, a form with the participants is displayed, containing a grid with the participants in the case and for each: ○ the "<u>id</u>" of the institution_x ○ the "<u>Acronym</u>" of the institution_x ○ the "<u>Name</u>" of the institution ○ the "<u>Country code</u>" of the institution

			An institution from the IR is identified by the following attributes: < "id", "acronym", "name", "countryCode" > (i.e., BE:Inst0001, PSPS, Belgium Office 01 of EESSI, BE).
Exception Flow 1		The User clicks "Yes" button when a value for one or more "Receiver" fields is blank (no value selected)	The System marks the empty "Receiver" field(s) in red and the "Choose participants" window remains open. The User can exit the exception flow by: - performing step 2 to select the "Receiver" - close the "Choose Participants" form with the "No" or "x" buttons removing the empty "Receiver" fields using the "Delete" button, and then clicking the "Yes" button (condition: at least one filled in "Receiver" field remains when clicking on "Delete" field. If only one "Receiver" field remains, the "Delete" button is disabled.)
Exception Flow 2		At step 4 of the main scenario, instead of clicking the "Yes" button, the User clicks the "No" button	The System closes "Choose participants" window and displays - "Save changes?" form . In the new window the User is asked: "You have unsaved changes. Save before exit?" and 3 buttons to choose from: "Yes" / "No"/ "Cancel" The "Yes" button has the same behavior as the "Yes" button from the "Choose participants" window. With the "No" button the System closes the "Confirmation" window without any action. With the "Cancel" button the System closes the "Confirmation" window without any action.
Exception flow3		The User selects the same receiver in 2 (or more) "Receiver*" fields and clicks "Yes" button.	The System displays the following error message in the "Choose participant" window: "Cannot add the same receiver more than once!" Also, the System displays a generic error message in the "Case management" workspace: "Invalid form"

		The form has errors. Review and correct them".
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UC_CM_03 Update the list of participants -" Update participants"

Use Case ID:	UC_CM_03		
Use Case Name:	Update the list of participants - "Update participants"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can update the participants of a case. This functionality is available only after the Choose participants - UC_CM_02 is performed and allows the User to change the list of receivers in the case by adding or removing participants. The addition of participants follows the same steps as described in UC_CM_02, so this use case will describe only the flow for removing participants.		
Trigger:	The user clicks "Update participants" button in the "Case Bar"		
Preconditions:	1. The User is authenticated in RINA. 2. The case was created in the current instance of RINA (the RINA Tenant institution is the Case Owner of the case) 3. The case is active and exists in the system 4. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to perform assignment (Supervisor) 5. The participants of the case have been added to the case with UC_CM_02 6. No SED has been sent in the case		
Post conditions:	The participants list is updated. One audit event is raised for opening the form and one for submitting it.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks "Update participants" button, in the "Case Bar"	The System displays "Choose participants" form where the User can see the participants already added to the Case and can add or remove participants. The fields and buttons displayed in the form are the same as described in UC_CM_02.

	2	The User removes one of the receivers by clicking the "Delete" button.	The removed "Receiver" field is no longer visible in the participants list given in the "Choose participant" window
	3	The User clicks "Yes" button	The System closes "Choose Participants" form, and the user returns to the "Case Management" workspace. The case is updated accordingly: - the "Case Toolbar" is updated with the new number of participants in the Participants("y") label, where y is the new number of participants - when clicking on the "Participant('y') button, a form with the updated participants will be displayed
Alternative scenario 1		At step 2 of main scenario, the user removes a receiver by deleting the content of one of the "Receiver" field and selecting a new one.	Main scenario is resumed from step 3 of main scenario.
Alternative scenario 2	1	After step 2 of main scenario, the User can click the "Add" button to add a new empty "Receiver" field where to select a new receiver using UC_IS_01	The new "Receiver" field is filled with the new receiver in the case
	2	The User repeats step 2 of main scenario and step 1 of Alternative scenario 2 as many times as needed.	The list of "Receivers" in the "Choose participants" window is updated accordingly. The User resumes the main scenario by performing step 3.
Exception Flow 1		The case has only 2 participants, including the Tenant institution that created the case, and the User wants to delete the only "Receiver" participant.	The "Delete" button is disabled and the User is unable to perform the delete.

UC_CM_04 Case assignment – Change assignment of a case

Use Case ID:	UC_CM_04
Use Case Name:	Case assignment- Assign case

Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can change the assignment for one or more existing cases. The assignment of the Users to a newly created case is performed at the Case creation phase based on the predefined Users Assignment Policies and rules. In case the roles of a user(s)/group of users change, or new users/groups are created in the system and they need to be assigned to ongoing cases, a User can perform this use case in order to: • assign the ongoing case(s) to new users • or to unassing users from ongoing case(s) For the new Users assigned to the case, the assignment has as a result the activation of the action buttons in the case and includes the Users in the list of distribution of all notifications generated in that case. In addition, an assignment notification is generated for the new assigned Users. For the existing Users, the un-assignment has as a result the disabling of the action buttons in the case. In addition, an un-assignment notification is generated for the removed Users.		
Trigger:	The User clicks on the "Case assignment" button located in the "Case Information Bar" from the "Case management" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to perform assignment (Supervisor). 3. Each User to be assigned to the case must also comply the precondition 2.		
Post conditions:	The assignment of the case is recalculated by the system and: - In case the new assignment includes new users, a notification for the new users is generated. - In case the new assignment excludes existing users, a notification for the existing users is generated. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks on the "Case assignment" button located in the "Case Information Bar" from the "Case management" workspace.	The System displays "Case assignment" form, containing: • an area labelled "Case Importance/Criticality" for configuring the criticality and importance of a case with available fields: ◦ "Importance" with possible values: "Normal" and "High"

			○ "Criticality" with possible values: "Normal" and "High" • an area labelled "Assigned Users/Groups Per Role" where the User can: ○ in the field "Role", select a role with the possible values listed: "Supervisor" (default value), "Authorized", "Medical", "Nonauthorized", "Auditor", "Viewer", "VIP", "Everyone" ○ in the field "Assigned Users/Groups", see the list of users/groups assigned to the case and use the corresponding "Delete" button to unassign a User/group from the case • an area labelled "Add New Users/Groups Per Role" where the User can select Users or groups (the possible values are filtered on the Role selection). Groups may be hierarchical, which means that after selecting a group, the selection of a sub-group and even of a single User may be possible. It is possible to select more than one (sub-) group or User by clicking "Add" button. The • A "Request assignment to me" button • An "Update" button
	2	The User selects a type of "Role".	The possible values for the group are filtered based on the selected "Role".
	3	The User selects a User and/or a group of Users to assign the case to and clicks "Save" button.	The System recalculates the assignment of the case, and, if needed, generates a notification of type "Case Assigned" for the new User(s)
Alternative scenario1	1	Alternatively, instead of step 1, the "Case assignment" form can be accessed from the "Case Search" workspace from	Same steps as in the main scenario, with the only difference that this way, the user can change the

		the "Search Results View (see UC_CS_01 step 2).	assignment and the priority of more cases at once.
Alternative scenario2	1	Alternatively, instead of step 1, the User clicks the "ASSIGN" button of the relevant notification on the "Notifications menu."	Same steps as in the main scenario.
Alternative scenario3	1	After step 1 of main scenario, the User clicks "Delete" button next to a User/group assigned to the case from the "Assigned Users/Groups" field and clicks "Save" button	The System recalculates the assignment of the case, and, in case it is needed, generates a notification of type "Case Unassigned" for the deleted user(s).
Exception flow 1		The User selects his own User or group and clicks "Save" button.	The System displays an error message: " <number of cases> case assignment(s) failed Cannot update case assignments: Error assigning case: the user [userName=<user_name>] is not authorised"

UC_CM_05 Case assignment- Setting criticality and importance of a case

Use Case ID:	UC_CM_05		
Use Case Name:	Case assignment- Setting criticality and importance of a case		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	Supervisor (9)		
Description:	This use case describes how a User can configure the criticality and importance of a case.		
Trigger:	The User accesses "Case assignment" form and change values for the "Importance" and "Criticality" fields by clicking on the desired values.		
Preconditions:	1. The user is authenticated in RINA. 2. The user has assigned the Supervisor role. 3. The user has accessed the "Case Assignment" area (see UC_CM_04 step 1)		
Post conditions:	The importance and criticality of the case is updated.		
Main Scenario:	#	Step actions	Expected Result
	1	In the "Case assignment" form, the User is changing the values for the "Importance" and "Criticality" fields by	The colored matrix for configuring the criticality and importance of a case allows the User to choose

		clicking on the desired values.	between 4 squares, displayed in 2 rows: • first row, first column square: if clicked, it will be colored in yellow, and it sets Importance: "High", "Criticality": "Normal" • first row, second column square: if clicked, it is colored in red, and it sets Importance: "High", "Criticality": "High" • Second row, first column square: if clicked, it is colored in green and it sets "Importance": "Normal", "Criticality": "Normal". This is the default state. • Second row, second column square: if clicked, it is colored in yellow and it sets "Importance": "Normal", "Criticality": "High" The selected values are highlighted in blue.
	2	The user clicks "Save" button	The System updates importance and criticality of the case in the database. All existing notifications belonging to that case are labelled with the "case matrix" icon. This icon is represented as 4 squares, displayed in 2 rows: • first row, first column square when colored in yellow, indicates that Importance: "High", "Criticality": "Normal" • first row, second column square: when colored in red, indicates "Importance": "High", "Criticality": "High" • second row, first column square: when colored in green indicates "Importance": "Normal", "Criticality": "Normal". This is the default state. • second row, second column square: when colored in yellow, indicates "Importance": "Normal", "Criticality": "High" The importance and criticality settings are for informative purposes only and have no direct influence on the workflow in the software. They are strictly local

		information not transmitted to other case participants.
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UC_CM_06 Case assignment- Request assignment of a case

Use Case ID:	UC_CM_06		
Use Case Name:	Case assignment- Request assignment of a case		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User		
Description:	This use case describes how a User can request for himself the assignment for a case, or the role adjustment in order to extend the performed actions on the Case		
Trigger:	The User clicks "Request assignment to me" button in the "Case assignment" form.		
Preconditions:	1. The User is authenticated in RINA. 2. The User has not assigned the Supervisor role and wants to be assigned to a case. 3. At least one User with Supervisor role assigned exists in the system. 4. The User has accessed the "Case Assignment" area (see UC_CM_04 Step 1)		
Post conditions:	A notification of type "Request to Assign Case" is generated and sent to the Users with Supervisor role assigned. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks "Request assignment to me" button, in the "Case assignment" form.	The System displays "Request Assignment to Me" form for introducing information about the request which contains: • a list of check-box fields labeled with the Roles: ○ "Auditor" ○ "Authorized" ○ "Medical" ○ "Nonauthorized" ○ "Supervisor" ○ "Viewer" ○ "VIP" ○ "Everyone" Multiple selections are allowed

			- a free-text field where the User can enter a comment where to explain the request - a "Save" button
	2	The User selects one or more roles, depending on the actions he/she needs to perform within the case and optionally enters a comment, then clicks the "Save" button. In case the User wants to request assignment to the case, he/she needs to select his own role. In case the user wants an extension of the roles that he/she can perform in a case already assigned to him, the user needs to select <u>only</u> the extra roles he/she needs in the case.	The System closes the form for introducing information about the request. The System generates a notification for the "supervisor", and the "supervisor" receives a notification about the request and can directly accept or reject it from the notification view.
Exception flow 1		The User is already assigned to the case with the role selected when requesting the assignment.	The System displays the following error message when clicking on the "Request" button: "Request for Assignment failed: Cannot execute case assignment related action: The User is already assigned to this Case!"
Exception flow 2		The User wants an extension of roles to a case, and when selecting the roles, he/she also selects the role he already has in the case	The System displays the error message when clicking on the "Request" button: "Request for Assignment failed: Cannot execute case assignment related action: The User is already assigned to this Case!"

UC_CM_07 Classify a case as sensitive

Use Case ID:	UC_CM_07		
Use Case Name:	Classify a case as sensitive		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	VIP User		
Description:	This use case describes how a User can modify the sensitivity of a case		

Trigger:	The User clicks the black "tag icon" button from the "Case information Bar" in the "Case Management" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The User has the VIP role assigned or The User has the VIP role assigned to the case he wants to modify 3. The User has the case opened in "Case Management" workspace		
Post conditions:	The sensitivity of the case is updated and sent to the other participants of the case as part of the first SED sent after performing this UC. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the black "tag icon" button from the "Case information Bar" in the "Case Management" workspace. The color of the "tag icon" is a visual information about the case sensitivity – black non sensitive; red sensitive.	The System displays "Case Metadata" form, containing: - the label "Sensitive Case:" - two buttons "Yes" and "No". The button "No" is the default selected value. - A "Save" button - a "Reset" button
	2	The User clicks the "Yes" button, and then the "Save" button.	The System closes "Case metadata" form. The tag icon from the "Case information Bar" is colored in red, to mark that the case is Sensitive.
	3	The User sends a SED in the case to the other participants using UC_CM_17.	The value "Yes" of the "Case Sensitivity" is used in the exchange of messages. The participant of the case that changed a case from non-sensitive to sensitive sends this information to all the other participants of a case with the first SED he/she sends after performing the change. The information is sent in the SED as "VIP flag" Once the "VIP flag" is sent in a SED, the case cannot be changed into non-sensitive anymore. In the "Case Metadata" form, the "Yes" and "No" buttons are disabled, and the User cannot change the value anymore.
Exception flow 1		The User does not have "VIP" role assigned.	The System displays the following error message when clicking on the "Update" button: "Cannot update case sensitive flag: The user with userName:

			[<username>] is not authorised to perform case operation"
Exception flow 2		The case sensitivity is changed in the middle of a case from non-sensitive to sensitive. At the same time two participants cross-sent messages (one with "VIP flag" true, one with false)	The participant that changed the case to sensitive has his flag changed back to non-sensitive when receiving the message with "VIP flag" false. The participant that received the message with "VIP flag" true has his flag changed to sensitive.

UC_CM_08 Setting case alarms

Use Case ID:	UC_CM_08		
Use Case Name:	Setting case alarms		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can set alarms for a specific future date and time. Sometimes, a case cannot be processed any further before replies from other parties have come in, but it is necessary to check later if these replies have arrived in time or even in general.		
Trigger:	The User clicks "Alarms" button from the "Case Toolbar" in the "Case Management" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The User is assigned to the case for which he/she wants to set an alarm. 3. The User has the case opened in "Case Management" workspace		
Post conditions:	An alarm is set in the system for all the cases of the User. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Alarms" button from the "Case Toolbar", in the "Case Management" workspace.	The System displays the "Alarms" form, containing: • a date field with calendar selector, labeled "Alarm*", mandatory to be filled in, where the User can enter or select from calendar the date when he/she wants the alarm to go off. This field has the default value the current date.

			- a free text field where the User must enter the description that will be displayed when the alarm will go off - a "Set Alarm" button
	2	The User enters the date, and a description and clicks the "Set Alarm" button	The System saves the new alarm in the database. All the above-mentioned fields from the "Alarms" form are cleared. A new grid area is displayed for presenting the new Alarm entry". The listed alarm items contain the following information: - the date when the saved alarm will go off. - the description of the alarm - Actions: a Delete button, that enables the user to delete the alarm from the system. The User can apply the step 2 repeatedly and add as many new alarms as needed. After completion of the UC, if the User wants to see the alarms set on a case, he can click again on the "Alarms" icon from the "Case toolbar" and all the previously set up alarms are displayed in the grid. When the alarm expires, the System generates for the user a notification of type "Your Alarm expired". The user is able to access the notification from the "Notification Center".
	3	The User clicks anywhere outside the "Alarms" form.	The System closes the "Alarms" form. Next to the "Alarms" button from the "Case information Bar", the dynamic label presenting the number of alarms is colored in yellow, to mark that the case has alarms, and the number of alarms is displayed. The set alarm is applicable to all the cases of the user. The effect is that when the alarm expires, the system automatically generates a notification to the user to inform him that his alarm expired.
Exception flow 1		The User selects the current date or a date in the past and clicks the "Set Alarm" button	The System marks "date" field in red.

			The System displays error message under the field: "The date and time must be in the future"
Exception flow 2		The User does not supply a value for the "description" field.	The System marks the "description" field in red, The System displays the error message under the field: "Must supply a value"
Exception flow 2		The User enters a number higher than 23 in the hour field or higher than 59 in the minutes field.	The wrongly entered field is colored in red.

UC_CM_09 Delete a case

Use Case ID:	UC_CM_09		
Use Case Name:	Delete a case		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can delete a case as long as no messages have been sent. There is NO possibility to UNDO the Case deletion action. This function should be used with special attention.		
Trigger:	The User clicks "Delete Case" button from the "Case Action Bar" in the "Case Management" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The Tenant institution is Case Owner of the case 3. The User has the case opened in "Case Management" workspace. 4. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to perform assignment (Supervisor) 5. No messages (SEDs) have been exchanged in the case		
Post conditions:	The case is permanently deleted from the system. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Delete Case" button from the "Case Action Bar" in	The System displays "Delete Case" form containing information about the case to delete: the local case

		the "Case Management" workspace.	number and the last update date, and: - a "Yes" button to confirm the action - a "No" button to suspend the action and leave the window without any action - an x icon button to leave the window without any action
	2	The User clicks the "Yes" button	The System deletes the case. The User is redirected to the "Case Search" workspace.

UC_CM_10 Change the Case Management View

Use Case ID:	UC_CM_10		
Use Case Name:	Change the Case Management View		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can change the Case Management Views. This functionality enables the User to change the presentation view of the Case messages (the SEDs of the Case and relevant information). The 2 ways of presentation are the "Classic View" where SEDs are presented compacted as rows and the "Timeline View" that provides a visual presentation of the SEDs exchange history between the Case participants in 2 columns.		
Trigger:	The User views the default presentation option highlighted in the "Case Toolbar" and the SEDs exchanged in the case displayed according to the highlighted presentation mode, in the "Case Management" workspace.		
Preconditions:	- The User is authenticated in RINA. - The User has the case opened in "Case Management" workspace.		
Post conditions:	The SEDs in the case are displayed according to the set-up.		
Main Scenario:	#	Step actions	Expected Result
	1	The User views the default presentation option highlighted in the "Case Toolbar" and the SEDs exchanged in the case	In case the "Classic View" presentation option is highlighted (selected), the User sees the SEDs presented compactly, as rows in

		displayed according to the highlighted presentation mode, in the "Case Management" workspace. In the Case Toolbar the 2 presentation options are visible as: • "Classic View" button • "Timeline View" button The RINA default option is the "Timeline View"	the upper central area of the case management view. Next to each SED row, a blue sheet icon button allows the user to open in edit mode the SED. In case the "<u>Timeline View</u>" presentation is selected, RINA displays the SEDs as large icons - thumbnails. The SEDs can be arranged in one column or in two columns (depending on the settings).
	2	The User clicks the non-highlighted presentation option button.	The SEDs in the case are displayed according to the rules of the new presentation option selected. The view selection is case dependent, and it is used until the activation of the other choice.
	3	The User clicks the configuration "Settings" button from the Case Toolbar	The System opens the "Case Settings" form. This form contains: • An area labelled "Documents" where the User can select: ◦ the "View Mode" between "Classic View" and "Timeline View" options ◦ the criteria to sort by the SEDs between "Creation" and "Last Update" date ◦ a checkbox field "Display Flags" • An area with a dynamic label equal to the selected View mode (Classic View or Timeline View) and with dynamic content also: For "Classic View", the User can check and select: ◦ To group the SEDs by Month For Timeline View, the User can select: ◦ the display mode between "1 Column" and "2 Columns" • An area labelled "Alarm Settings", where the User can: ◦ select the automatic generation of Alarms for the Send action ("Auto set Alarm on Send Action" checkbox) and the relevant time period (number of days to wait after the successful SED delivery

			before automatically generating an alarm) • A "Save" button to save all the changes • A "Reset" button to reset all the changed values, in all the fields to their previous values
	4	The User selects the wanted options and clicks the "Save" button	The System closes "Case Settings" form. The SEDs in the case are displayed according to the selected options. Also, the presentation options selected from the "Case Settings" form is saved at user level. In case the user leaves the case and then re-access it or accesses another case, the presentation options remains the same.

UC_CM_11 Accessing Case Notifications

Use Case ID:	UC_CM_11		
Use Case Name:	Accessing Case Notifications		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can access the notifications related to a case. The User can filter the notifications that are displayed, read them, mark them as unread or read. The marking can be done one by one or multiple at a time. Any of the pair of steps (2,3), (8,9), (8,10), (8,11), can be skipped completely or interchanged in the order of performing the use-case, depending on the user's needs.		
Trigger:	The user clicks the "Notification" button from the "Case Information Bar" in the "Case Management" workspace		
Preconditions:	1. The User is authenticated in RINA. 2. The User has the case opened in "Case Management" workspace. 3. The case has notifications.		
Post conditions:	The case notifications are updated accordingly. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result

	1	The user clicks the "Notification" button from the "Case Information Bar" in the "Case Management" workspace	The System displays the "Notifications" form. This form offers the same possibilities as the full "Notifications" workspace, with the only difference that only notifications for the specific case are displayed. In the "Notifications" form the User has available: • A search area with: ◦ a "filter icon" button – when clicked it opens a form where the User can select from the available filters ◦ a Search button – when clicked it launches the search, also applying the selected criteria • A notification display area where all notifications are displayed in a grid. The header of the grid contains: ◦ a checkbox field, when clicked it selects all the notifications displayed in the grid ◦ "Date sorting" button ◦ "Type sorting" button • For each displayed notification, the User has available: ◦ a checkbox field to select the notification ◦ a ">" icon button, when clicked it displays the details of the notification ◦ a "severity color" icon to indicate the severity of the notification ◦ the date, type and description of the notification, displayed in bold font, if notification is unread an "Actions" button, when clicked displays all the available actions for that type of notification
	2	The User clicks the ">" icon of an unread notification.	The System displays the details of the notification to the User in the notification tile. The date, type and description of the notification are displayed with un-bolded font.

	3	The User clicks again on the ">" icon for the same notification.	The System hides the details of the notification.
	4	The User clicks the "Mark as unread" button of the notification, available from the "Actions" button	The System displays the type, date and the description of the notification as bolded.
	5	The User clicks the "Mark as read" button of the notification, available from the "Actions" button	The System displays the type, date and the description of the notification are un- bolded.
	6	The User clicks the header column "Date" sorting button	The System displays the notifications from the grid sorted by date on ascendent/descendent order. Clicking again on the Date sorting button changes the direction of the soring between ascending and descending.
	7	The User clicks the "Type sorting" button	The system displays the notifications from the grid sorted by type
	8	The User checks the checkbox field from the header of the grid	The System checks all the checkbox fields of all the displayed notifications. In the search area, 2 buttons the System makes visible "Mark as Read" and "Mark as Unread"
	9	The User unchecks the checkbox field from the header of the grid	The System unchecks all the checkbox fields of all the displayed notifications. In the search area, the System hides the 2 buttons: "Mark as Read" and "Mark as Unread".
	10	The User clicks the "Mark as Read" button from the search area.	Results of step 5 apply to all the unread notifications.
	11	The User clicks the "Mark as Unread" button from the search area.	The System marks as unread the selected read notifications by bolding the name, type and description of the notification.

UC_CM_12 Navigate a Case

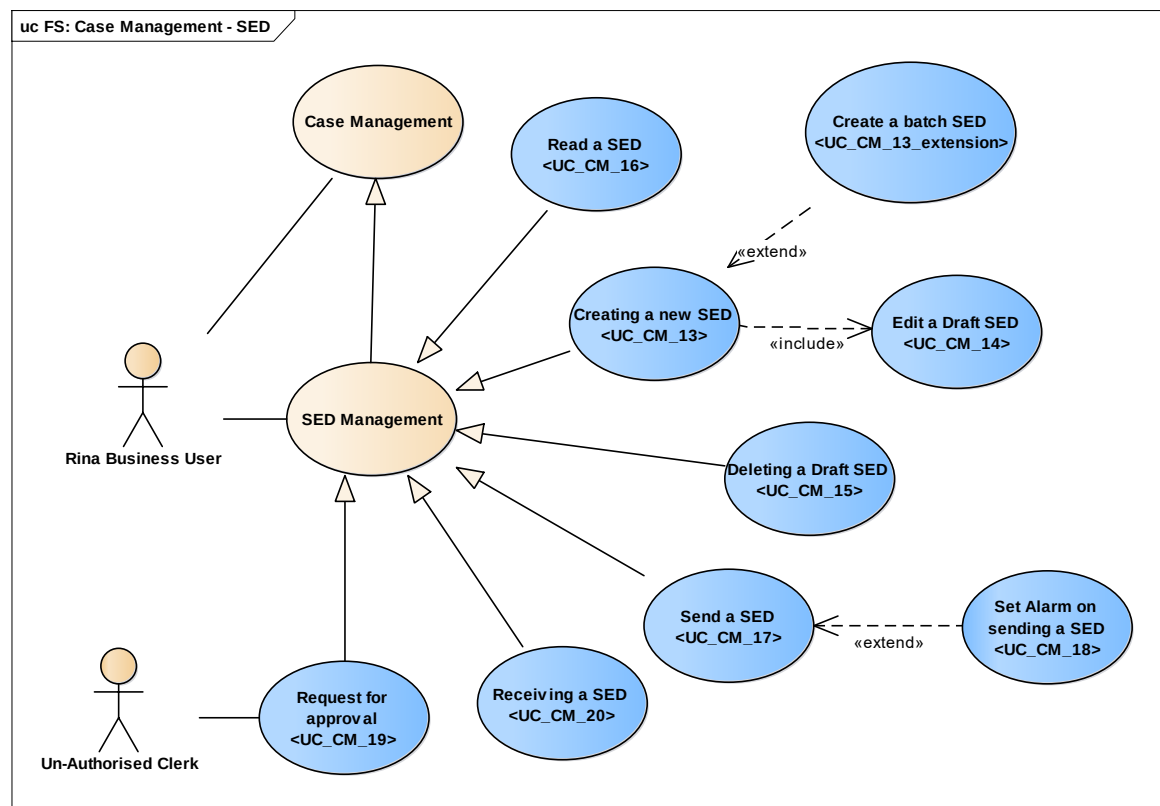
Use Case ID:	UC_CM_12
Use Case Name:	Navigate a Case

Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can filter the SEDs to be displayed in a case in the "Case Management" workspace using the available dynamic filters. These filters depend on the SEDs created in the case by the User or the SEDs received from the other participants.		
Trigger:	The User accesses the case in the "Case Management" workspace.		
Preconditions:	1. The User is authenticated in RINA.		
Post conditions:	N/A		
Main Scenario:	#	Step actions	Expected Result
	1	The User accesses the case in the "Case Management" workspace.	Based on the SEDs of the case, on the left side of the workspace, in the "Navigate documents" area, the system dynamically displays the available filters: - filter by document type with values: "All Document Types" checkbox, default selected - One checkbox field for each type of SED in the case, default selected (for example, for a P_BUC_01 case, where P2000 and P6000 SEDs were created/received, 2 checkbox fields are displayed, one for P2000 and one for P6000) - filter by direction of the document "All Document Directions" checkbox, default selected - If the case has SEDs created by the tenant institution, one checkbox field, labelled "Outgoing", default selected - If the case has SEDs received from other participants in the case, one checkbox field, labelled "Incoming", default selected - filter by the status of the document "All Document Statuses" checkbox, default selected

			One checkbox field for each type of status of the SEDs in the case "(Sent, Received, Draft, etc.) default selected"
	2	The User changes the filters by selecting/unselecting the desired values.	The System filters the displayed SEDs in the SED List according to the user filter.

SED Management

5.2.4.1.3 Use case diagrams



5.2.4.1.4 Use Case View

UC_CM_13 Creating a new SED

Use Case ID:	UC_CM_13		
Use Case Name:	Creating a new SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	

Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can create a new SED in a case.		
Trigger:	The user clicks the "Create <SED_Code>" button in the "Case Action Bar"		
Preconditions:	1. The User is authenticated in RINA. 2. The case exists in the system (created with UC_CM_01 or a received case with UC_NC_02) 3. The case participants were set up (with UC_CM_02 or automatically based on the received case UC_NC_02) 4. The User is accessing the case in Case Management workspace. 5. The action to create the desired SED is available to the User in the Case Action Bar. 5.1. The business logic of the case type determines which SEDs can be sent at which state of the case (e.g. some SEDs can be sent only as a reply to specific preceding SEDs). The actions are controlled in a stateful guided manner by RINA. Hence, RINA automatically restricts the creation of SEDs to the appropriate ones of the current state of the case. 5.2. Even if the business logic allows the creation of the SED, the availability of the action in the "Case Action Bar" is controlled by the user's policy assignment: The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to create a SED (Authorized Clerk/ Unauthorized Clerk). (once the action is activated in the case, even if the policy changes, the action remains available. However, when trying to send the SED, the policy check will block the send)		
Post conditions:	A new SED is created in the case, in DRAFT status and displayed in the Case Management View. One event is raised for Open Form and one event is raised for saving the form.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Create <SED_Code>" button in the "Case Action Bar"	The System opens "SED View" form. This form contains: • the "SED Header Information Bar", where the User sees: ◦ a "lock icon" button - when clicked on, displays information about the certificate used to encrypt a message. While creating a SED (before sending), the information displayed is: "The certificate is not generated yet. It will be after sending the SED."

		○ an "eye icon" - when clicked, displays the "Document Details" form with information about document details ("Document Type", "Document Title", "Document Version", "Last Update") and about the Participants. ○ the SED Code label to identify the type of SED ○ a dynamic label "version .x", where x is the number of the SED version. When creating the SED, this label is set to "version 1". Whenever the User clicks on the "Save" button of a SED, and the save is successful (no errors) the version is incremented by 1, and the relevant label is updated accordingly. ○ a dynamic label with the "status of the SED". When saving a newly created the SED, the label is "DRAFT". • <u>The "SED FORM" area:</u> every SED has its specific form with SED-specific input fields. The SED form data is based on specific business requirements. It also exposes the name and the version of the SED and the correlated data model. Also, the User has available in this area: ○ a "Comments" section where he/she can enter in a free-text field the information he/she wants to share with other Users working in the same case. The possibility to insert comments is done by pressing the "Add" button, inserting the comment and pressing the keyboard key Enter. ○ an "Attachment" section where the User can make use of the "Choose File" button in order to upload a file as an attachment, if the type of SED allows attachments. The capability to add attachments is disabled until the User saves the SED. The attachment is linked to the SED and not to each version of the SED. Only the last
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			attachment of a SED is saved in the system. ○ A "Save" button ○ A "Reset" button -when clicked, it clears all the filled fields. ○ A "Cancel" button – when clicked, it closes the form • The "SED Information Bar", where the "user" can find 3 icon buttons that enable the user to change between the available SEDs views: ○ a "pencil icon" button, that when clicked, displays the "SED FORM" area ○ a "wheel icon" button, that, when clicked, hides the current area and displays instead the "SED System Notifications" area. In this area, the User will be able to consult all the notifications the system generated for that SED. Also, the view offers the possibility to search, navigate or filter the SED system notifications. When creating the SED, this area is empty, as no notifications were yet created by the system. ○ a "folder" icon button, that displays the "SED document history" area. Every time a User saves a SED, the system creates a new version of that SED. These versions are called documents of a SED. In the "SED document history" area, the User is able to see all the versions of a SED and information from the SBDH for each version and participant that SED was sent to (available only for versions that were sent). ○ The User also has the possibility to filter the document versions by status of the document by selecting from the available values: "Draft", "Modified", "Cancelled", "Received", "Sent". ○ When creating a SED, a click on this icon displays a first entry for the current draft version of the SED, but without information from the SBDH.
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	2	The User fills in the fields of the SED from "SED FORM" area.	When filling in the SED, the User needs to fill in fields that are grouped in sections and subsections. The sections, subsections and fields are numbered in an outline format using digits and dots (n1.n2.n3. nx). The first section of a SED is numbered 1, the second one 2, and so on. Each subsection of a section keeps the index of the section it belongs to, followed by its own index. The last digit represents the index of the subsection. A subsection can act as parent section and include sub-sections. The fields inside a (sub)section follow the same rules. If, as per business rules, a (sub)section must allow repetition, the last digit of the (sub)section is followed by "[1]", and at the end of the (sub)section the User has an "Add" button. Clicking the "Add" button the entire section is duplicated, with the only difference that the duplicated (sub)section index ends with "[2]". The User can add as many (sub)sections as he/she needs. If the User wants to delete an added (sub)section, next to the Add button, the User has available an x icon button that deletes the repeated (sub)section, when clicked. A SED can contain: • mandatory fields marked with the last character of their label "*". • Mandatory (sub)sections marked with the last character of their label "*". The mandatory character is checked when saving the SED. The validation is made hierarchical: • If the section is mandatory, all the mandatory elements directly inside (subsections and/or fields) are validated. If none of the elements directly inside is mandatory, at least one element must have a filled value.
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		• If the section is not mandatory, even if the subsections and fields directly inside the section are marked as mandatory, they will not be checked, with the condition that the whole section is left empty. If at least one element of the section is filled, all the mandatory elements directly inside the section are validated. The fields of a SED can be: • free-text fields with no pattern validation, that allow the user to enter text inside the field within a maximum length. • free-text fields with pattern validation • radio-button selection fields, where the User can select maximum one value from the displayed possible values • checkbox selection field where the User can select as many values as he/she wants from the displayed possible values • drop-down list fields where the User can select the desired value from a drop-down list of possible values. • calendar enabled fields where the User can select a date from a calendar • institution search enabled fields where the User can select an institution (UC_IS_01). For such fields, two buttons are available: ◦ "Institution Advanced Search" button – when clicked, it launches the "Institution Advanced Search" form ◦ "Clear" button – when clicked, it clears from the SED the values selected for the Institution fields. Some of the fields and/or (sub)sections also include, next to them, an information "i" icon button that, when clicked, displays an explanatory note about the (sub)section or about the field.
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	3	The User clicks the "Save" button.	Based on the setup from the "Administrator Portal", the system performs the following validations: - the content of the SED is validated against the HTML and the XSD (all needed mandatory fields are filled in) - SED specific business validations (not all SEDs have them) - as RINA allows multiple users to work on the same case, the system also checks that a SED of the same type has not been created in the system. This check ensures that, if two Users work at the same time at the same case and create the same SED, only one user is allowed to save the SED. After the validations are passed, the SED is saved in the system. The "SED View" window remains open, but all the fields are disabled for changes. The available actions in this window are updated as follows: - the "Save" button and "Reset" button are removed. - When clicked, the Actions button displays: - the "Edit draft" button - the "Send" button - the "Delete" button - the "print icon" button is available - the x icon button to exit the window. In the "SED System Notification" area, the list of notifications is updated with the notifications generated by the system for the "Create" and "Read" action types. If the created SED is the first SED of the case, the case metadata information is retrieved from the SED and saved at case level. Based on this information, the "Case Management workspace" is updated with information from the saved SED: In the "Case Information Bar:"
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			• If the starter SED has one non-repetitive Person block: ◦ an icon for the gender of the person, based on the field Sex from the first SED ◦ name of the person, based on the "Family name(s)" and "Forename(s)" fields from the first SED ◦ date of birth of the person based on the "Date of birth" field from the first SED. ◦ Address of the person (only if the information is not in a repetitive block). ◦ Contact information of the person (only if the information is not in a repetitive block). • If the first SED has a repetitive Person blocks: ◦ nothing gets filled in the "Case Information Bar" • If the first SED does not have a Person block but has an Employer block: ◦ nothing gets filled in the Case Information Bar If the first SED is a reimbursement SED, instead of the person's name, the Case Information Bar is updated with information from the Participants list (not from the SED). If the case type allows more than one starter SED (e.g. UB_BUC_01), when saving the Starter SED, the buttons to create all the other types of Starter SEDs are no longer displayed. If the User changes his mind and wants to use another type of document as a starter SED, he/she needs to first delete the saved starter SED by performing UC_CM_15. On successful deletion of the draft, all possible starter SEDs will be again listed in the Documents case action bar, including the type that was just deleted. The System displays message "Document saved successfully"
Alternative flow1		The User clicks the "Action" button of a received SED and selects the "Reply" button.	The main scenario resumes from results of step 1.

		This option is available only for some SEDs that are designed as request-reply SEDs, as per BUC specification.	
Exception flow 1		The User did not correctly fill the SED because the mandatory fields/sections were left empty and/or the validation patterns were not respected.	When clicking on the "Save" button, all the empty fields/sections that need values are listed as buttons in the lower part of the "SED View" window. The System displays those buttons in the following color: • Red for mandatory to be entered for saving the SED as Draft. • Yellow for fields that are optional for saving the SED as Draft, but mandatory before sending Clicking on one of these buttons changes the focus on the field that needs to be filled/corrected. The User can resume the main scenario by correctly filling in the red-colored fields and clicking on the "Save" button again.

UC_CM_13_extension Create a batch SED

Use Case ID:	UC_CM_13_extension		
Use Case Name:	Create a batch SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can create and send a batch SED. In some contexts, such as the exchange of reimbursement claims/notes/requests, it is more efficient to exchange entire groups of claims/notes/requests with a single SED message. For this reason, RINA supports the so-called 'batch' SEDs, which allow delivering many individual claims/notes/requests (along with a global claim/request) within a single SED. Batch SEDs consist of two parts: • The so-called Master Document contains the basic information about the exchange, such as the data of the institution sending the SED, the receiving institution, and the total amount claimed/requested.		

	The Individual Children Sub-Documents contain the data on the specific items included in the batch SED, such as an individual claim for reimbursement of medical expenses.		
Trigger:	The User clicks the "Create <SED_Code>" button in the "Case Action Bar."		
Preconditions:	see UC_CM_13 + The SED to be created is a Batch SED, as per business definition.		
Post conditions:	The batch SED is created and saved in the system. One event is raised for Open Form and one event is raised for saving the form		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks on the "Create <SED_Code>" button in the "Case Action Bar."	The System opens "SED View" form. The content of this form is described in UC_CM_13, step 1. For a batch SED, this form has an additional area to display and search the individual sub-documents, the "Document List" area. For the User to search, the available fields are: - a free-text field where the User can enter text (search is case insensitive) to be searched in the SEDs (master or child) with a "magnifying glass icon" button to launch the search and an x icon button to clear the search 3 filter buttons labelled: "All, Valid, Invalid" to filter the child sub-Documents based on their status. In this step, this area only contains the label "Master Document". In the "SED FORM" area, the SED name is: "<SED_CODE>_Master<SED Name>"
	2	The User fills in the fields of the SED from "SED FORM" area and clicks the "Save" button.	The System saves the Master document information of the Batch SED on the database. In the navigation area, the user has available 3 new buttons: "Import" button that enables the User to import from the local file system the sub-documents. "Export" button that allows exporting the Master Document along with all listed individual

			claims/requests to an external file • "Add" button that enables the User to manually fill in the child sub-documents
	3	The User clicks "Add" button	The "SED Form Area" displays the fields of the individual sub-document form for the user to fill in. The SED name displayed is "<SED_CODE>_Child<SED Name>"
	4	The User fills in the fields of the sub-document SED and clicks "Save" button	The System saves the child SED in the database. In the navigation area, under the "Master Document" label, the new saved sub-document is listed (in order to identify the document, specific identification fields from the SED are used to label the child SED). Information from the sub-document can be used to override the information from the main document (saved at step 2). The fields to be overwritten are defined as per business logic. Examples of such fields: • the field from the main document counting the number of sub-documents – like "Total number of individual claims *" • the field from the main document representing the total amount The button "Send" becomes available.
	5	Steps 3 and 4 can be repeated as many times as the User needs to.	Results from step 4.
Alternative flow 1	1	After step 2, the User clicks "Import" button and imports from the local file system the sub-documents.	The file imported can contain one or more sub-documents. The system will validate: • the type of the document imported is one of the following: text/xml, text/csv, application/vnd.ms-excel, application/json • the content of the file: if the imported file contains more subdocuments, the system will divide this imported file in more files each containing just one

		child and will validate each child individually. While the import is performed by the system an upload icon is visible in the SED Form with the percentage of completion. Once the percentage reaches 100%, this icon is no longer visible. Each child sub-document is imported separately and is visible in the navigation area. Next to it, the "x icon" button enables the User to delete an imported sub-document. After importing, filtering by "Invalid" button in the Navigation area allows the user to check whether any of the imported claims/requests were marked as erroneous during the import. For each imported sub-document, a comment is automatically added to the Comments section of the SED with the text: "Import completed: x rows imported, y rows updated, z rows skipped" and the User who imported the sub-documents. After import or manual add of sub-documents, the User has the possibility to click on the "Export" button to obtain an XML file containing all the sub-documents.
Exception flow 1	The User tries to import a file of type unsupported.	The import is not realized. The User is informed in an Information pop up window containing the text: "This file type is not supported! Supported types: text/xml, text/csv, application/vnd.ms-excel, application/json"
Exception flow 2	The User clicks on the "Import" button while an import is in progress.	The System displays the following error message: "This action is no longer available. Cannot import Subdocument: this action is no longer available"
Exception flow 3	The User imports a document containing the same sub-document Identifier more than once.	The System imports all the sub-documents but every time it encounters the same identifier it overrides the one already imported.

UC_CM_14 Edit a Draft SED

Use Case ID:	UC_CM_14
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Use Case Name:	Edit a Draft SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can edit a SED in DRAFT status.		
Trigger:	The User identifies the SED to be edited and clicks the "Action" button in the "Case Management" workspace. From the displayed actions, clicks on the "Edit draft" button.		
Preconditions:	1. The User is authenticated in RINA. 2. The SED has been created by the Tenant Institution with UC_CM_13. 3. The SED is in DRAFT status. 4. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to edit a SED (Authorized Clerk/ Unauthorized Clerk)		
Post conditions:	A new version of the SED is saved in the System and available in the case. A system notification is generated for the edit action. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the SED to be edited and clicks the "Action" button in the "Case Management" workspace. From the displayed actions, clicks on the "Edit draft" button.	The System opens the "SED View" form of the SED in Edit mode.
	2	The User makes the needed changes in the SED fields and clicks "Save" button.	The same validation as in the UC_CM_13 Create a Draft SED step 3 is performed. After the validations are passed, a new document version is saved in the system. This version is visible in the dynamic label of the version, next to the name of the SED and can also be consulted in the "SED document history" area. If the edited SED is the first SED of the case, the "Case Information Bar" is updated with the new values of the fields inside the new version of the SED.

			Also, a system notification is generated for the "Edit" action. The System displays message "Document saved successfully"
Alternative scenario1	1	The User clicks the "blue sheet icon" next to the SED to be edited from the list of SEDs in the "Case Management" workspace with Classic View display selected.	The System opens "SED View" form of the SED in Edit mode. The rest of the scenario follows steps 2 and 3 from main scenario.

UC_CM_15 Deleting a Draft SED

Use Case ID:	UC_CM_15		
Use Case Name:	Deleting a Draft SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a user can delete a SED.		
Trigger:	The user accesses the "Case Management" console of the case where the SED to be deleted was created, clicks on the "Action" button of the SED the user wants to delete and clicks on the "Delete" button.		
Preconditions:	1. The User is authenticated in RINA. 2. The SED has been created by the Tenant Institution with UC_CM_13. 3. The SED is in DRAFT status (not yet sent). 4. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to delete a SED (Authorized Clerk/ Unauthorized Clerk)		
Post conditions:	The SED is permanently deleted from the system. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User accesses the "Case Management" console of the case where the SED to be deleted was created.	The System displays a form with the possible actions: • "Edit draft" • "Delete" • "Read" • "Send"

		The user clicks on the "Action" button of the SED the user wants to delete	
	2	The User clicks the "Delete" button	The System displays the "Delete Document" form with the message "Are you sure you want to delete this document?". This form includes details of the SED: • "SED name" • "Direction": only possible value "OUT", as received SEDs cannot be deleted. • "Status": only possible value "Draft", as other statuses do not allow deletion. The status is followed by the last version of the SED to be deleted. • "Since": creation date of the SED • "Last Update": date when the last update was performed on the SED • "Creator": the name of the User that created the SED and the identifier of the Tenant Institution. The User also has available in this window: • a "Yes" button to confirm the deletion • a "No" button to exit the form without deleting • an x button to exit the form without deleting
	3	The User clicks the "Yes" button.	The System checks if the SED is still in Draft status and deletes it from the system. In the "Case management" workspace, the SED is no longer displayed in the list of SEDs of the case. For case types with a single Starter SED, deleting the Starter draft SED also deletes the participants. For case types with multiple Starter SED, deleting the Starter draft SED also enables the possibility to create all the types of Starter SEDs by displaying the corresponding buttons.

		The System displays message "Document successfully deleted"
Exception flow 1	Between step 1 and step 2 the status of the SED is changed due to the actions performed by another user.	When the User clicks the "Yes" button, the System displays an error message informing that the SED cannot be deleted.

UC_CM_16 Read a SED

Use Case ID:	UC_CM_16		
Use Case Name:	Read a SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can open and read the content of a SED and navigate the available SED views in order to access the related information about versions and SED notifications.		
Trigger:	In the Case Management workspace with "Timeline View" displayed, the User identifies the SED to be read and clicks on the "Actions" button of and then clicks on the "Read" button		
Preconditions:	1. The User is authenticated in RINA. 2. The SED to be read exists in the system. 3. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to view the SED. 4. The User has the case displayed in the Case Management workspace.		
Post conditions:	The User is informed about the content of the SED. A SED system notification is generated for the Read action and it is available in the "SED System Notifications" area. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	In the Case Management workspace with "Timeline View" displayed, the User identifies the SED to be read and clicks on the "Actions" button of and then clicks on the "Read" button	The System opens the "SED View" form of the SED in read mode with the "SED Form" area displayed. The SED View can display 3 areas: • the "SED Form" area (default displayed) that displays the content of the SED

			- the "SED System Notification" area that displays system notification generated as a result of actions performed on the SED (read, edit, etc.) - the "SED Document History" area that displays details on the versions of the SED The content displayed in this form is the same as described in UC_CM_13 results of step 1. The "SED FORM" area displays the information entered by the creator of the SED. Most of the SEDs have more content than can be displayed in the "SED FORM -" and a scroll bar is available to help the User access all the content of the SED. Also, the User has available: - a "Translate" button under the free-text fields (long string and very long string formats) that, when clicked, opens the eTranslation functionality window - the "Comments" area with: - a free-text field where the User can enter a comment to be saved at SED level (by pressing Enter) and to be available for any User that opens the SED - a list with the previously entered comments and for each comment in the list, details about the User who entered the comment, the date of the comment and an x icon button to enable the User to delete a comment - the "Attachments" area where the User has the list of attachments and for each attachment: - the name of the attachment - a "cross" icon button for the type of attachment – colored in green for type Medical, greyed if type is Standard - a "download" button that enables the User to download the attachment
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			○ for SEDs created in the application (and not received) -the name of the User that uploaded the attachment, the tenant institution of that User and the date of the upload • the "print" icon button that enables the User to print the SED (bottom right) • the "maximize 4 arrows" icon button – when clicked hides/unhides the "Comment" and "Attachment" areas (bottom left).
	2	The User clicks the "lock icon" button from the "SED Header Information Bar"	The System displays the "Certificate" form. For SEDs in status Draft, the form contains: "The certificate is not generated yet. It will be after sending the SED." For all the other SEDs, this window contains: • information about the Business signature of the specific SED • in the field labelled "Subject", the entity associated with the public key stored in the subject public key field. • in the field labelled "Issuer" the entity that has signed and issued the certificate • in the field labelled "Serial number", the unique number assigned by the CA to each certificate • in the field labelled "Signature Algorithm", the identifier for the cryptographic algorithm used by the CA to sign this certificate. • in the fields labelled "Not Valid Before" and "Not Valid After", the certificate validity period (this validity period is the time interval during which the CA warrants that it will maintain information about the status of the certificate). • in the field "Public Key", the public key and used to identify the algorithm with which the key is used (i.e., "RSA")

			in the field "Installed Date", the Certificate latest configuration date. This date parameter is updated every time the certificates are installed or updated (following an installation, RINA system restart or any press of the button UPDATE in "Global Messaging Settings" tab at the administrator portal.)
	3.	The User clicks anywhere in the "SED View" window, but outside the "Certificate" window.	The System closes "Certificate" window.
	4.	The User clicks the "eye icon" button from the "SED Header Information Bar"	The System displays "Document Details" form. This window contains: - in the field "Document Type": the SED Code - in the field "Document Title", the name of the SED type. - in the field "Document Version", the latest version of the document - in the field "Last Update", the date when the document was last updated. - an area labelled "Participants" where the institution identifiers of all the participants of the SED are listed. The Tenant Institution is marked in bold.
	5	The User clicks anywhere in the "SED View" window, but outside the "Document Details" window.	The System closes the "Document Details" window.
	6	The User clicks the "wheel icon" button from the "SED Information Bar."	In the "SED View" window, the "SED FORM" area is hidden and replaced with the "SED System Notification" area, where the User can consult the notifications generated by the system each time a User performs an action on the SED in the system. The "SED System Notification" area contains: the SED related notifications generated by the system displayed in a in a grid with the header:

			○ "Date" ○ "Event Type" ○ "Username" ○ "Action Type" ○ "Description". • for each displayed notification, the User has available: • a ">" icon button, when clicked it displays the details of the notification (including identifier of the document and local case number) • a square icon colored different based on the category of the notification: green – Success, red – Error, yellow – Unauthorized • the date when the notification was generated, including timestamp. • the event type that generated the notification • the user that performed the action on the SED • the action type performed by the user • the description • a "Search" button to refresh and retrieve the latest system notifications. • a search free-text field where the User can enter a text and hit enter/click on the magnifying glass icon/ click on the "Search" button to launch a search of the entered text in the notifications content. In the list of notifications only the notifications containing the searched text are displayed. Further selected filters will be applied only to the displayed notifications. In order to remove the current filtering on the list of notifications the User can click on the x icon button next to the search free-text field. • A filter icon button- when clicked the "Filter by" form is displayed where the User can filter the list of notifications based on the following criteria:
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			• "All Log Types", with possible values: "Success", "Error", "Unauthorized" • "Action Type", with possible values: "Read", "Create", "Update", "Delete", "Execute" • "Component Type", with possible values: "Administration", "Attachments", "Business Messaging", "Cases", "Comments", "Documents", "Notifications", "Search Definitions", "Security", "Technical Messaging". • "Participant Type", with possible values: "Organization", "Person" • "Participant Role", with possible values: "Receiver", "Sender", "Subject" • "Object Type", with possible values: "Action", "Alarm", "Application Profile", "Attachment", "Business Acknowledge", "Business Error", "Business Message", "Case", "Comment", "Credential", "Document", "Notification", "Policy", "Search Definition", "Subdocument", "Technical Message", "User Group", "User Profile" • "Category Type", with possible values: "Security", "Business", "Messaging" • "Event Type", with possible values: ○ "Application End" ○ "Application Start" ○ "Archive / Unarchive Case" ○ "Assign Case" ○ "Change Authorization Policy" ○ "Clear Alarm" ○ "Create Document" ○ "Create New Case" ○ "Create Search Definition" ○ "Create User Or Group" ○ "Delete Attachment On Document" ○ "Delete Attachment on Case" ○ "Delete Comment On Case"
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			○ "Delete Comment On Document" ○ "Delete Document" ○ "Delete Search Definition" ○ "Delete User Or Group" ○ "Export Subdocument Batch" ○ "Import Subdocument Batch" ○ "Login" ○ "Logout" ○ "Notify About Received Business Message" ○ "Notify About Status Update" ○ "Process Received Business Message" ○ "Receive Business Message" ○ "Receive New Case" ○ "Receive Technical Message" ○ "Retrieve Attachment On Document" ○ "Retrieve Attachment on Case" ○ "Retrieve Case Assignments" ○ "Retrieve Case By Business Id" ○ "Retrieve Case By Id" ○ "Retrieve Case Hash Code By Id" ○ "Retrieve Case Id By International Id" ○ "Retrieve Document" ○ "Retrieve Initial Document" ○ "Retrieve Notification Details" ○ "Retrieve Notification Summary" ○ "Retrieve Notification Time Slots" ○ "Retrieve Notifications Consolidated Summary" ○ "Retrieve Thumbnail" ○ "Search Cases By Search Definition And Or FreeText" ○ "Send Business Message" ○ "Send Document" ○ "Send Technical Message" ○ "Set Alarm" ○ "Submit Attachment On Document" ○ "Submit Attachment on Case" ○ "Submit Comment On Case"
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			○ "Submit Comment On Document" ○ "Submit Document" ○ "Update Application Profile" ○ "Update Document" ○ "Update Notification" ○ "Update Search Definition" ○ "Update User Profile" Each type of criteria has an x icon button that enables the User to remove the selected values from the filter and to refresh the list of shown notifications with the new condition.
	7	The User clicks the "folder icon" button from the "SED Information Bar"	The System hides in the "SED View" window, the displayed area and replaced it with the "SED Document History" area. In this area, the User can consult the history of all the versions created in the system for that SED. (A new version of the SED is created each time the User clicks on the "Save" button of a SED) For each version, in the "SED Document history" the User can see a version section (tile) that contains: • a header with: ○ an "arrow" icon pointing right for outgoing SEDs and pointing left for incoming SEDs ○ a "lock" icon button that opens the "Certificate" form ○ an "eye" icon button that opens the "Document Details" form ○ a label with the SED Code, name of the SED and the version number ○ the date when the version was saved and the user that saved the version ○ the status of the version. • a separate section for each receiver of the SED, containing: ○ if the SED was sent, an info icon button that opens the "Header information" form.

			This is the information that was sent in the SBDH of the SED when sending the related SED version ○ an “envelope” icon with a specific color based on the status of the delivery: - grey for undelivered - green for successfully delivered - red for errors on delivery (clicking on the red envelope shows the error message) ○ the institution identifier of the receiver ○ the status: • “Draft” if the version was not sent, • “Sent” if the version was sent but the receive acknowledgement was not yet received, • “Delivered” if the receive acknowledgement was received, • “Error” if the version was not successfully delivered. • “Modified if the version was the result of an edit action” • “Received” if it is a received SED ○ if the status of the delivery is Error, a Resend button that enables the user to resend the version of the SED only to that participant is available • a “View” button that enables the user to display the selected version the “SED FORM” area. The version tiles are displayed ordered by creation date descending. All the versions from a certain date are grouped under a label with that date. The window also offers the User the possibility to filter the versions based on the status of the version, by selecting for possible
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			values: "Draft", "Modified", "Cancelled", "Received", "Sent". For a received SED only the successfully delivered versions are available.
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UC_CM_17 Send a SED

Use Case ID:	UC_CM_17		
Use Case Name:	Send a SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can send a SED created and saved with UC_CM_13.		
Trigger:	The User clicks the "Send" button of the SED displayed in the "SED View" form.		
Preconditions:	1. The User is authenticated in RINA. 2. The SED to be sent was created in the system with UC_CM_13 and is in Draft status. 3. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to send a SED (Supervisor or Authorised Clerk)		
Post conditions:	The SED is sent to the selected receivers. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Send" button of the SED displayed in the "SED View" form.	The System displays the "Send Document" form. This form contains: • the message "Are you sure you want to send this document?" • the list of participants, including the Tenant Institution that is listed first in the grid. Based on business rules, some SEDs may permit the User to proceed with a selective delivery by selecting the required receivers from the participants list (to whom the SED should be sent). The type of selection may be with radio

			button fields if only one receiver is allowed or with checkbox fields if multiple receivers are allowed. • the Set Alarm functionality (see UC_CM_18) • a free text field labelled "Note" where the User can enter a comment. • a "Yes button" to confirm the action • a "No button" to suspend the action and exit the form • an x icon button to leave the form
	2	The User selects the receivers if the type of SED requires this and clicks the "Yes" button.	The System closes "Send Document" form, and the User is returned to the "Case Management workspace". The SED's status is changed to SENT. The System displays message "'Send Document Success'". The actions available on SED level are updated. If the user clicks on the "Action" button of the SED, the available actions, based on business logic, can be: • "Read Participants" button, if clicked, it will display the "Participants List" window • "Invalidate SED" button, available only if the BUC specs allow the invalidation of the "SED" • "Update" button - available only if the BUC specs allow the update of the SED. After sending, all the selected case participants receive the SED. For each receiver of the SED, the corresponding National Application sends back an acknowledgement receipt to inform the sender accordingly. Based on this acknowledgement, the following changes occur: • a notification of type "SED Delivered" for each participant is received and shown in the "Case Notification Area." • If the SED is displayed in the "Timeline View", the envelope icon of the SED changes its

			color, to indicate that the SED was successfully delivered to that participant. When all acknowledgments are received, the envelope is colored in green. In a case with more receivers, if the first acknowledgement is received the envelope is colored in yellow and remains this color until all the acknowledgements are received and the envelope is colored in green. for the "Classic view", this information is available only by opening the SED and checking the "SED document history" area.
Alternative flow 1		The User clicks "Action" button of a SED Case Management workspace, and then clicks "Send" button	The System displays "Send Document" form. The main scenario resumes from step 2.
Alternative flow 2		The User clicks "Resend" button of a SED version in the "SED Version history area" of the "SED View window."	The System displays "Send Document" form. The main scenario resumes from step 2.
Alternative flow 3		At step 2, the acknowledgement receipt is not received in the waiting period "(Retry interval)."	Based on the retry policy parameters "Retry interval" (sec) and "Maximum retries" from the "Administrator Console", the system automatically resends the SED. The main scenario resumes from step 2 results at the receiving acknowledgement point.
Exception flow on Alternative flow 3		The acknowledgement is not received after all the retries are performed. From the last retry, the "Retry interval" period has passed.	The system automatically generates an error receipt for the sent SED. Based on this error receipt, the SED is marked with error -red envelope and has a "Resend" button available for manual resending. Also, a notification of type "SED failed to be delivered" is generated and sent to all the Users assigned to the case.
Exception flow 1		When clicking on the "Send" button, the SED validations are not passed, because the SED	The SED is not sent, and the "Information" form is displayed to the User with the following text: "Error Cannot submit the

		to be sent is not valid. This can occur when the validations of the SED are disabled in the Administrator Portal or when the information from the SED is imported (see UC_CM_13_extention)	document: The action requires a valid SED and it is not."
Exception flow 2		The AP/receiver does not validate the SED and cannot send a positive acknowledgement.	The AP/receiver sends back to the sender a receipt with Error. A notification of category "Error" and type "SED Failed to be Delivered" is generated for the case. This notification is visible in the "Case Notification Area." Based on this error receipt, the following happens: - the SED envelope is colored in RED. This envelope is visible in the SED tile display for Timeline View display, and in the "SED FORM-> SED Document History View." - In the "SED FORM-> SED Document History View" clicking on a red envelope icon displays the code or error and the error message received in the error receipt. Also, the "Resend" button is available. Clicking on this button the "Resend Message" form opens, where the user is asked to confirm the resend of the SED to the only to participant who did not send a positive acknowledgement. In the "Resend message" form, the "Yes" button enables the User to confirm and the "No" button to suspend the action.
Exception flow 3		One of the receiving participants is not able to correctly process the received the SED and sends an X050 SED to inform the sender about the problem.	The X050 SED is received in the case and displayed to the User.

UC_CM_18 Set Alarm on sending a SED

Use Case ID:	UC_CM_18
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Use Case Name:	Set Alarm on sending a SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can set an alarm when sending a SED.		
Trigger:	UC_CM_17		
Preconditions:	1. The User is authenticated in RINA. 2. The User has the "Send Document" form displayed.		
Post conditions:	The alarm is saved in the system and will generate a notification for the User. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User checks the checkbox field "Set Alarm" from the "Send Document" window.	The following fields are enabled for the User to input values: - A calendar enabled field labelled "Alarm*" where the user can select the date and time when the alarm will expire. - a free text field "Note" where the User can enter a comment that will be displayed when the alarm expires
	2	The User selects a date, fills in the time, enters a comment in the "Note" field and continues with step 2 of UC_CM_17 (clicks on the Yes button).	The set alarm is saved in the system. The system displays the message "Alarm successfully saved". The "label of the Alarm(x)" button from the Case Toolbar is updated to reflect the number of alarms (x becomes x +1). When the alarm expires, the system automatically generates for the User a notification of type "Your Alarm expired". The User is able to access the notification from the Notification Center.
Exception flow 1		The User selects the current date or a date in the past	The "Alarm*" field is colored in red and an error message is displayed: "The date must be in the future"

UC_CM_19 Request for approval

Use Case ID:	UC_CM_19		
Use Case Name:	Request for approval		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	Un-Authorised Clerk		
Description:	This use case describes how a User that does not have rights to send a SED can request for approval from a User that has rights to send the SED.		
Trigger:			
Preconditions:	1. The User is authenticated in RINA. 2. The User has Unauthorized Clerk role assigned and does not have directly assigned a Case Policy. 3. The SED to be requested approval for has been created with UC_CM_13 and is in Draft status.		
Post conditions:	A notification that a SED is pending approval is sent to a User with Supervisor role. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Request approval" button of the SED in the "SED View" window.	The System displays "Request Approval Document" form, on top of the "SED View" window. This window contains information about the SED for which approval is asked (name of the SED, version of the SED, date when last save was performed on the SED, user that performed the last save, document details "eye icon" button, certificate details "lock icon" button) and 2 buttons: • A "Yes" button to confirm the request • A "No" button to suspend the request
	2	The User clicks the "Yes" button	The System closes "Request Approval" "Document" form. The System closes "SED View" window, returning the user to the "Case Management Workspace". The SED icon displayed in the "Case Management Workspace" has its available actions number decreased by one, as the "Request

		for approval” action is longer available. A notification of type “Approval for Sending Required for SED” is automatically generated and sent to all the approver. The approvers are determined as all the Users assigned to the case with assignment policies that allows them to send SEDs. However, it is not possible to approve the SED directly from the notification. Instead, the approver first needs to open the case itself and to navigate into it. Once the case has been opened, the approver can directly send the prepared SED, or read it first and send it from within the SED view perspective.
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UC_CM_20 Receiving a SED in a case existing in the Tenant Institution

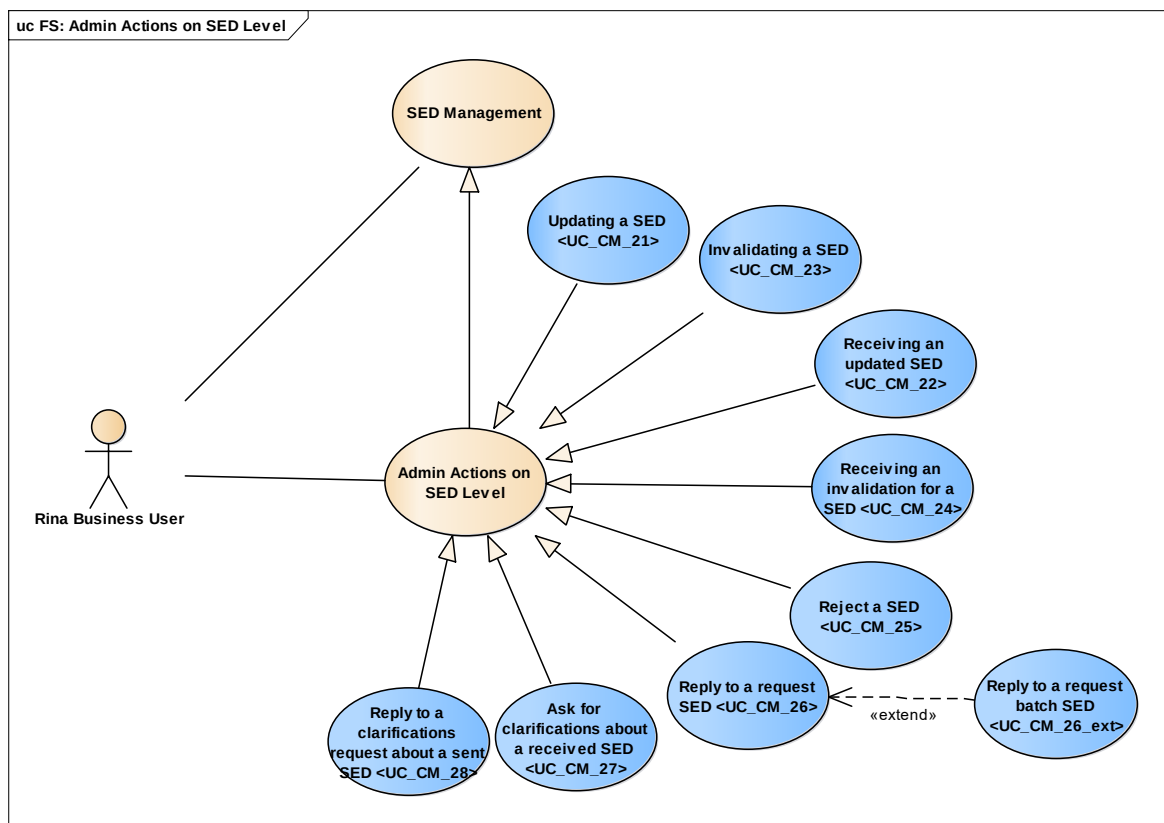
Use Case ID:	UC_CM_20		
Use Case Name:	Receiving a SED in a case existing in the Tenant Institution		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a SED is received in RINA in a case that was already created in the system.		
Trigger:	The User has the case displayed in the “Case Management Workspace” and clicks on the “refresh icon” button from the Case Bar		
Preconditions:	1. The User is authenticated in RINA. 2. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to view SEDs (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer). 3. A case has been created in the system with UC_CM_01 or by UC_NC_02. 4. If the case was created by the Tenant Institution with UC_CM_01, at least one SED has been sent to the participants in the case with UC_CM_17. 5. A participant in the case has sent a SED from his National Application and the list of receivers includes the Tenant Institution.		

	6. The sent SED has been delivered to the Tenant Institution.		
Post conditions:	A new SED is available in the case and the case actions are updated according to business logic.		
Main Scenario:	#	Step actions	Expected Result
	1	The User has the case displayed in the "Case Management Workspace" and clicks on the "refresh icon" button from the Case Bar	The System displays the received SED in the Case Management Workspace. The Case Action Bar is updated according to business logic with the next available actions. The available actions for the received SED, accessible from the Action button of the SED can be: • "Read Participants • Clarify SED Content", available only if the BUC specs allow the request of clarification for that SED • "Reject SED", available only if the BUC specs allow the rejection SED Opening the case notifications by clicking on the "Notifications" button displays the new notification of type "A New SED Arrived." The User can read the SED following UC_CM_16.
Alternative flow1	1	The User takes notice of the received SED from the "Notifications" workspace by identifying the notification of type "A New SED Arrived" and opening the case by clicking on the "Open case" button	The UC resumes from results of step 1.
Alternative flow2	1	The User has the case displayed in the "Case Management Workspace" and receives a pop-up notification that a new SED has arrived in the case.	Main scenario resumes from results of step 1.
Exception flow 1		A new SED arrives in the Tenant Institution, but this SED references a case that does not exist in the system and the received SED is not the Starter SED (the Case Action from the SBDH of the received SED is not one of "Start, StartForward")	The SED is kept in the "Pending messages" queue, waiting for the original SED to arrive in the case. This message is visible only in the Administrator Portal. The retention period of the SED in this queue is as set up by the administrator user in the Administrator Portal. If this retention period is passed, the system automatically generates an

			X050 SED referencing the received SED and in the "2.1 Business exception" field of the SED, the selected reason will be populated with: "[01] Receiving a SED for a missing case." This X050 SED is automatically sent to the sender of the SED.
Exception flow 2		A new SED arrives in the Tenant Institution, but this SED references a case that was closed with the administrative Close sub-process.	The system automatically generates an X050 SED referencing the received SED and in the "2.1 Business exception" field, the selected reason is populated with: "[06] Receiving a SED when the case is in global close status." This X050 SED is automatically sent to the sender of the SED.

Admin Actions on SED Level

5.2.4.1.5 Use case diagrams



5.2.4.1.6 Use Case View

UC_CM_21 Updating a SED

Use Case ID:	UC_CM_21
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Use Case Name:	Updating a SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can update a sent SED.		
Trigger:	In the "Case Management" Workspace, the User identifies the SED to be updated, clicks on the Actions button of the SED and then, from the displayed actions, clicks on the "Update" button.		
Preconditions:	1. The User is authenticated in RINA. 2. The SED to be updated has been sent following UC_CM_13/UC_CM_13_extention. 3. The SED to be updated allows the update as per business rules. 4. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to send a SED (Supervisor or Authorised Clerk).		
Post conditions:	The updated version of the SED is sent to all the receivers. One event is generated when you save the updated SED and other one event is raised when send it.		
Main Scenario:	#	Step actions	Expected Result
	1	In the "Case Management" Workspace, the User identifies the SED to be updated, clicks on the Actions button of the SED and then, from the displayed actions, clicks on the "Update" button.	The System opens "SED View" form, displaying in the "SED Form View," the sent SED in Edit mode. All the fields are filled as the SED was last saved.
	2	The User updates the needed fields and clicks the "Save" button.	A new version of the SED is saved in the System. This new version, and the previous ones are available for the User in "SED Document History View". If the updated SED is the first SED of the case, the "Case Information Bar" is updated with the new values of the fields inside the new version of the SED. The System displays message "Document saved successfully".

	3	The User follows steps of UC_CM_17 to send the updated SED	See UC_CM_17.
Alternative scenario1	1	After Step 2 of the main scenario, the User can choose to close the SED Form window from the x icon button.	The User can choose to later repeat steps 1 and 2 of the main scenarios followed by step 1 of Alternative scenario 1 as many times as needed and to execute step 3 of the main scenario when all the needed updates are done.
Alternative scenario2	1	After Step 2 of the main scenario, if the User does not have a role that allows him to send SED, he can perform UC_CM_19.	See UC_CM_19
Exception flow 1		One of the receivers of the updated version of the SED has received the updated version but has not received the original SED. As a result, this receiver sent back an X050 SED to inform the sender.	In the Case Management Workspace, a new SED X050 is received. The SED contains reference of the SED that was not properly received and in the "2.1 Business exception" field, the selected reason is populated with: "[02] Receiving an update for a missing SED."

UC_CM_22 Receiving an updated SED

Use Case ID:	UC_CM_22		
Use Case Name:	Receiving an updated SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can receive an update on a received SED.		
Trigger:	The User has the case displayed in the "Case Management Workspace" and receives a pop-up notification that an update to a received SED has arrived in the case.		
Preconditions:	1. The User is authenticated in RINA. 2. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to view SEDs (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer).		

	3. The SED to be updated has been successfully delivered to the Tenant Institution. 4. The creator of the SED updates the SED from his NA and sends the new version of the SED to a list of receivers including the Tenant Institution 5. The sent updated SED is successfully delivered to the Tenant Institution.		
Post conditions:	The updated version of the SED is received in the case.		
Main Scenario:	#	Step actions	Expected Result
	1	The User has the case displayed in the "Case Management Workspace" and receives a pop-up notification that an update to a received SED has arrived in the case.	In the tile SED display, the version label is updated with the new version number of the SED. The Case Action Bar is updated according to business logic with the next available actions. Opening the case notifications by clicking on the "Notifications" button displays the new notification of type "An Updated SED Arrived." The User can read the SED following UC_CM_16. If the updated SED is the first SED of the case, the "Case Information Bar" is updated with the new values of the fields inside the new version of the SED.
Alternative scenario1	1	The User takes notice of the received updated SED from the Notifications workspace and opens the case by clicking on the "Open case" button from the notification of type "An Updated SED Arrived"	The main scenario resumes from Step 1.
Exception flow1		The Tenant Institution receives the update of the SED, but has not received the original SED	The updated version of the SED is not displayed in the case. This version of the SED is kept in the "Pending messages" queue, waiting for the original SED to arrive in the case. The retention period is as configured by the Administrator in the Administrator Portal. On the expiration of the retention period, the system automatically generates an X050 SED referencing the received SED and in the "2.1 Business exception" field, the selected reason is populated with: "[02] Receiving an update for a missing SED".

		This X050 SED is automatically sent to the sender of the updated SED.
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UC_CM_23 Invalidating a SED

Use Case ID:	UC_CM_23		
Use Case Name:	Invalidating a SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can invalidate a sent SED. The possibility to invalidate a SED is not available for all the SED. The use of this functionality is defined in the BUC Specifications.		
Trigger:	The User clicks the "Action" button of the SED and then, from the displayed actions, clicks the "Invalidate" SED button in the "Case Management" Workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The SED to be invalidated has been created by the Tenant institution following steps of UC_CM_13/UC_CM_13_extention and has been successfully sent. 3. The SED to be invalidated allows the invalidation as per business rules. 4. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to send a SED ("Supervisor" or "Authorised Clerk").		
Post conditions:	The invalidated SED is marked as Cancelled in the system. All the receivers of the invalidated SED receive a SED X008 informing them that the SED was invalidated. One event when get the empty form, One event is generated when you save the invalidation SED and other one event is raised when send it.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Action" button of the SED and then, from the displayed actions, clicks the "Invalidate" SED button in the "Case Management" Workspace.	The System opens "SED View" window, displaying in the "SED Form View" the form for SED X008 in Edit mode. Section 2. "The following SED is Invalid / Withdrawn *" has prefilled the fields: • "SED Type: *" with the code of the SED to be invalidated

			• "Date Issued*" with the system date
	2	The User fills in the needed fields and clicks on the "Save" button.	The System saves SED X008 in the database.
	3	The User follows steps of UC_CM_17 to send the X008 Invalidate SED.	See UC_CM_17 for sending X008 + The invalidated SED is updated with status "Cancelled" and the available actions of the SED are updated: the only available action is "Read" The "Case Action Bar" of the case is updated accordingly- the "Create SED" action for the invalidated SED is made available for the user to create and send the SED again (unless business rules dictate that this action should no longer be available). The SBDH of X008 includes a reference to the document to be invalidated (this is useful for cases where the same type of SED can be sent multiple times, so it is clear for the receivers what document should be invalidated) The X008 has a unique "Set Id" but also has a "Related Set id" filled in with the "Set id" of the SED to be invalidated. The User can check this for the X008 in the SED View-> "SED Document History" area by clicking on the "case icon" button to access the "Header information". Here, the User is able to see that SED X008 has his own "Set id" and a "Related Set Id" filled in with the Set id of the invalidated SED.
Alternative scenario1	1	After Step 2 of the main scenario, the User can choose to close the SED Form window from the x icon button.	The User can choose to execute step 3 of the main scenario later. The X008 SED is saved in the case and it is available in the "Case Management Workspace" along with all the other SEDs of the case.
Alternative scenario2	1	After Step 2 of the main scenario, if the User does not have a role that allows him to send SED, he can perform UC_CM_19.	See UC_CM_19

Exception flow1	One of the receivers of the X008 SED has received the X008 but has not received the SED to be invalidated referenced in the X008. After the retention period, this receiver sends and X050 SED to inform the sender that he cannot process the X008 SED.	In the "Case Management Workspace", a new SED X050 is received. The X050 SED contains reference of the X008 SED that was not properly processed and in the 2.1 Business exception field, the selected reason will be populated with: "[05] Receiving a SED not in the correct order, as defined by the BUC."
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UC_CM_24 Receiving an invalidation for a SED

Use Case ID:	UC_CM_24		
Use Case Name:	Receiving an invalidation for a SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can receive an invalidation SED X008 referencing a previously received SED.		
Trigger:	The User has the case displayed in the "Case Management Workspace" and receives a pop-up notification that an invalidation X008 SED was received.		
Preconditions:	1. The User is authenticated in RINA. 2. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to view SEDs (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer). 3. The SED to be invalidated has been successfully delivered to the Tenant Institution. 4. The creator of the SED sends an invalidation SED from his NA to a list of receivers including the Tenant Institution 5. The invalidation SED is successfully delivered to the Tenant Institution.		
Post conditions:	The X008 SED is received, and the User is informed about the SED that should be considered as invalid.		
Main Scenario:	#	Step actions	Expected Result
	1	The User has the case displayed in the "Case Management Workspace" and receives a pop-up notification that an	The System displays the received X008 SED in the "Case Management Workspace". The System identifies the SED to be invalidated based on the information

		invalidation X008 SED was received.	in the X008 SBDH (based on the Related Set Id) and changes the status of this SED to "Cancelled" and the available actions at SED level: the only available action is "Read". The "Case Action Bar" is updated to display the actions related to the invalidated SED that were available before receiving this SED. It is not recommended to invalidate a SED if the flow of the case is advanced with more than one step after the SED was sent. An invalidation in such a situation can result in misalignment between the business logic and the available actions in the case.
Alternative scenario1	1	The User takes notice of the received X008 SED from the Notifications and opens the case by clicking on the "Open case" button from the notification of type "A New SED Arrived"	The Main Scenario resumes from Step 1.
Exception flow1		The Tenant Institution receives the X008 informing him about the invalidation of a SED but the SED to be invalidated has not been received	The X008 SED is not displayed in the case. This SED is kept in the "Pending messages" queue, waiting for the original SED to arrive in the case. The retention period is as set up by the Administrator in the Administrator Portal. If this retention period is passed, the system automatically generates an X050 SED referencing the received X008 SED and in the "2.1 Business exception" field of the X050 SED, the selected reason will be populated with: "[05] Receiving a SED not in the correct order, as defined by the BUC". This X050 SED is automatically sent to the sender of the X008 SED.

UC_CM_25 Reject a SED

Use Case ID:	UC_CM_25		
Use Case Name:	Reject a SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	

Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can reject a received SED. The possibility to reject a received SED is not available for all SEDs. The possibility of using this functionality is defined in the BUC Specifications.		
Trigger:	The User clicks the "Action" button of the received SED and then, from the displayed actions, clicks the "Reject SED.", in the "Case Management" Workspace,		
Preconditions:	1. The User is authenticated in RINA. 2. The SED to be rejected allows rejections as per business rules. 3. The SED to be rejected has been received in the case. 4. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to send a SED (Supervisor or Authorised Clerk).		
Post conditions:	SED X011 to inform all the participants in the case that the User rejects a received SED is successfully sent. One event when get the empty form, One event is generated when you save the invalidation SED and other one event is raised when send it.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Action" button of the received SED and then, from the displayed actions, clicks the "Reject SED.", in the "Case Management" Workspace.	The System opens "SED View" window, displaying in the "SED Form View" the form for SED X011 in Edit mode. The Section "2. Reject SED*" of the X011 SED has the fields: • "SED Type" • "Date Issued" prefilled with information about the SED that needs to be rejected.
	2	The User fills in the needed fields and clicks the "Save" button.	The System saves SED X011 in the database. The Actions of the SED to be rejected are updated and the action "Reject SED" is no longer available.
	3	The User follows steps of UC_CM_17 to send the X012 SED only to the sender of the SED that needs clarifications.	See UC_CM_17 for sending X011 SED X011 is successfully sent to the sender of the SED to be rejected and also to all the other receivers of that SED. The receivers will take note of the rejection, but no changes happen in the case with the rejected SED (no update of status of the

			rejected SED or of the available actions). The SBDH of X011 includes a reference to the document version of the SED to be rejected. The X011 has a unique "Set Id" but also a "Related Set id" filled in with the "Set id" of the SED that needs to be rejected.
Alternative scenario1	1	After Step 2 of the main scenario, the User can choose to close the SED Form window from the x icon button.	The User can choose to execute step 3 of the main scenario later. The X011 SED is saved in the case and it is available in the "Case Management" Workspace along with all the other SEDs of the case.
Alternative scenario2	1	After Step 2 of the main scenario, if the User does not have a role that allows him to send SED, he can perform UC_CM_19.	See UC_CM_19
Exception flow1		One of the receivers of the X011 SED has received the X011 but has not received the SED referenced in the X011. After the retention period, this receiver sends and X050 SED to inform the sender that he cannot process the X011 SED.	In the Case Management Workspace, a new SED X050 is received. The SED contains reference of the SED that was not properly processed -the X011 SED- and in the 2.1 Business exception field, the selected reason will be populated with: "[05] Receiving a SED not in the correct order, as defined by the BUC."

UC_CM_26 Reply to a request SED

Use Case ID:	UC_CM_26		
Use Case Name:	Reply to a request SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can reply to a request SED. The BUC Specifications define request-reply relationships between SEDs. When receiving a request SED, the reply in RINA is possible only from the Actions button with label "Create <SED_Code> Reply", where "SED_Code" is the code of the request SED. This action is usually available at the received SED level, accessible from the "Actions" button. A request SED can be replied to with one or more reply SEDs.		

	This functionality is available only for the SEDs defined as linked by the BUC Specifications.		
Trigger:	The User clicks the "Action" button of the request SED and then, from the displayed actions, clicks the "Create <SED_Code> Reply" button in the "Case Management" Workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The SED to be replied to is part of request-reply relationship as per business rules. 3. The SED to be replied to has been received in the case. 4. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to send a SED (Supervisor or Authorised Clerk).		
Post conditions:	The reply SED is sent as an answer to the request SED. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the Action button of the request SED and then, from the displayed actions, clicks the "Create <SED_Code> Reply" button in the "Case Management" Workspace	The System opens "SED View" window, displaying in the "SED Form View" the form for reply SED in Edit mode.
	2	The User fills in the needed fields and clicks the "Save" button.	The System saves the Reply SED in the database. The Actions of the received request SED are updated, and the action "Create <SED_Code> Reply" is no longer available.
	3	The User follows steps of UC_CM_17 to send the X012 SED	See UC_CM_17 for sending reply SED The reply SED is successfully sent to the sender of the SED of the request SED. Based on the business rules, the SED is sent only to the sender of the request SED or to all participants in the case. The SBDH of the reply SED includes a reference to the document version of the received request SED. The reply SED has a unique "Set Id" but also a "Related Set id" filled in with the "Set id" of the request SED.
Alternative scenario1	1	After Step 2 of the main scenario, the User can choose to close the SED Form window from the x icon button.	The User can choose to execute step 3 of the main scenario later. The reply SED is saved in the case and it is available in the "Case Management" Workspace along with all the other SEDs of the case.

Alternative scenario2	1	After Step 2 of the main scenario, if the User does not have a role that allows him to send SED, he can perform UC_CM_19.	See UC_CM_19
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UC_CM_26_extention Reply to a request batch SED

Use Case ID:	UC_CM_26_extention		
Use Case Name:	Reply to a request batch SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can reply to a request batch SED. The BUC Specifications define request-reply buttons between batch SEDs. A request SED can be replied to with one or more reply SEDs. This functionality is available only for the SEDs defined as buttoned by the BUC Specifications.		
Trigger:	The user clicks the Action button of the request SED and then, from the displayed actions, clicks the "Create <SED_Code> Reply" button, in the "Case Management" Workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The batch SED to be replied to is part of request-reply button as per business rules. 3. The batch SED to be replied to has been received in the case. 4. The reply SED is also a batch SED as per business logic. 5. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to send a SED ("Supervisor" or "Authorised Clerk").		
Post conditions:	The reply SED is sent as an answer to the request batch SED. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The user clicks the Action button of the request SED and then, from the displayed actions, clicks the "Create <SED_Code> Reply" button, in the "Case Management" Workspace.	The System opens the "SED View" window, displaying in the "SED Form View" the form for reply SED in Edit mode. In the "Document List" area of the SED View, under the Master Document button, the sub-documents from the request batch SED will be listed. Each entry from

			this list will have a checkbox field next to it, disabled. The available buttons in the Document List area are only "Import" and "Export" (the "Add" button is not available).
	2	The User fills in the needed fields from the "SED Form View" and clicks the "Save" button.	The Master Document of the reply batch SED is saved in the system. The checkbox fields next to the subdocuments from the Document List are enabled for selection. The "Save" button is no longer available and is replaced by the "Edit draft" button The Actions of the received request SED (from the Case Management workspace) are updated, and the action "Create <SED_Code> Reply" is no longer available. In the "Document List" area of the "SED View", the listed subdocuments are enabled: clicking on one of them (not on the checkbox field next to it), will display, in the "SED Form View", the content of the request SED subdocument.
	3	The User selects one of the subdocuments from the "Documents List" by clicking on one of the checkbox fields.	In the "Documents List", next to the selected subdocument, the SED code of the reply SED is displayed. Also, a warning icon is displayed next to the selected subdocument. These are visual indicators that a reply-subdocument is edited for the User to fill in and the request subdocument will be replaced. The "SED Form View" displays the form for reply SED sub-document in Edit mode. The code of the request SED is displayed in the name of the "SED Form View". The "Save" button is available.
	4	The User fills in the needed information in the SED form and clicks the "Save" button	The System saves the subdocument in the database. In the "Documents List", next to the selected subdocument, the warning icon is replaced by a checked icon, in order to visually indicate that the reply subdocument was successfully saved. Also, the reply SED Code label remains present. Clicking on the name of the subdocument will retrieve in the SED Form View the

			content of the reply subdocument, and the request subdocument is no longer available.
	5	The User repeats steps 3 and 4 for all the request subdocuments he/she needs to create reply subdocuments for	The System saves the needed subdocuments that are created in the database. If the User needs to remove one of the reply subdocuments, the User clicks on the checkbox of that reply subdocument to unselect it. The "Confirmation" form will be displayed to the User, asking him to confirm or suspend the removal using "Yes" and "No" buttons. If removed, instead of the removed reply subdocument, the request subdocument will be available. The User is also enabled to filter the list of subdocuments from "the Filter by document type" drop-down list field, where the User will be able to select the current document, implying that only subdocuments created for the reply SED will be displayed.
	6	The User sends the SED using UC_CM_17.	The System send the SED to all the selected receivers.
Alternative scenario1	1	After Step 2 of the main scenario, the User can choose to close the SED Form window from the x icon button.	The User can choose to execute step 3 of the main scenario later. The reply SED is saved in the case and it is available in the "Case Management" Workspace along with all the other SEDs of the case.
Alternative scenario2	1	After Step 2 of the main scenario, if the User does not have a role that allows him to send SED, he can perform UC_CM_19.	See UC_CM_19
Alternative scenario3	1	The creation of the reply batch SED is not available at request batch SED level, but in the Case Action Bar. Instead of step 1, the User clicks the "Create <SED_Code>" button from the Case Action Bar.	The main scenario resumes from results of step 1.

UC_CM_27 Ask for clarifications about a received SED

Use Case ID:	UC_CM_27
Use Case Name:	Ask for clarifications about a received SED

Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can request clarifications about SED. The request of clarifications is not available for all the SEDs. The use of this functionality is defined in the BUC Specifications.		
Trigger:	The User clicks the "Action" button of the received SED and then, from the displayed actions, clicks the "Clarify SED Content", in the "Case Management" Workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The SED to ask clarifications for allows the request of clarifications as per business rules. 3. The SED to ask clarifications for has been received in the case. 4. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to send a SED ("Supervisor" or "Authorised Clerk").		
Post conditions:	The request for clarifications SED is successfully sent to the sender of the SED. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Action" button of the received SED and then, from the displayed actions, clicks the "Clarify SED Content", in the "Case Management" Workspace.	The System opens the "SED View" window, displaying in the "SED Form View" the form for SED X012 in Edit mode.
	2	The User fills in the needed fields and clicks the "Save" button.	The System saves the SED X012 in the database.
	3	The User follows steps of UC_CM_17 to send the X012 SED	See UC_CM_17 for sending X012 SED X012 is successfully sent to the sender of the SED that needs clarifications. + The SBDH of X012 includes a reference to the document that needs clarification (this is useful for cases where the same type of SED can be sent multiple times, this way it is clear for the receivers what document needs clarification)

			The X012 has a unique "Set Id" but also a "Related Set id" filled in with the "Set id" of the SED that needs clarification. The User can check this for the X012 in the "SED View"-> "SED Document History" area by clicking the "case icon" button to access the "Header information". Here, the User is able to see that SED X012 has his own "Set id" and a "Related Set Id" filled in with the "Set id" of the SED that needs clarification.
Alternative scenario1	1	After Step 2 of the main scenario, the User can choose to close the SED Form window from the x icon button.	The User can choose to execute step 3 of the main scenario later. The X012 SED is saved in the case and it is available in the "Case Management" Workspace along with all the other SEDs of the case.
Alternative scenario2	1	After Step 2 of the main scenario, if the User does not have a role that allows him to send SED, he can perform UC_CM_19.	See UC_CM_19
Exception flow1		One of the receivers of the X012 SED has received the X012 but has not received the SED referenced in the X012. After the retention period, this receiver sends an X050 SED to inform the sender that he cannot process the X012 SED.	In the Case Management Workspace, a new SED X050 is received. The SED contains reference of the SED that was not properly processed -the X012 SED- and in the 2.1 Business exception field, the selected reason will be populated with: "[05] Receiving a SED not in the correct order, as defined by the BUC."

UC_CM_28 Reply to a clarification request about a sent SED

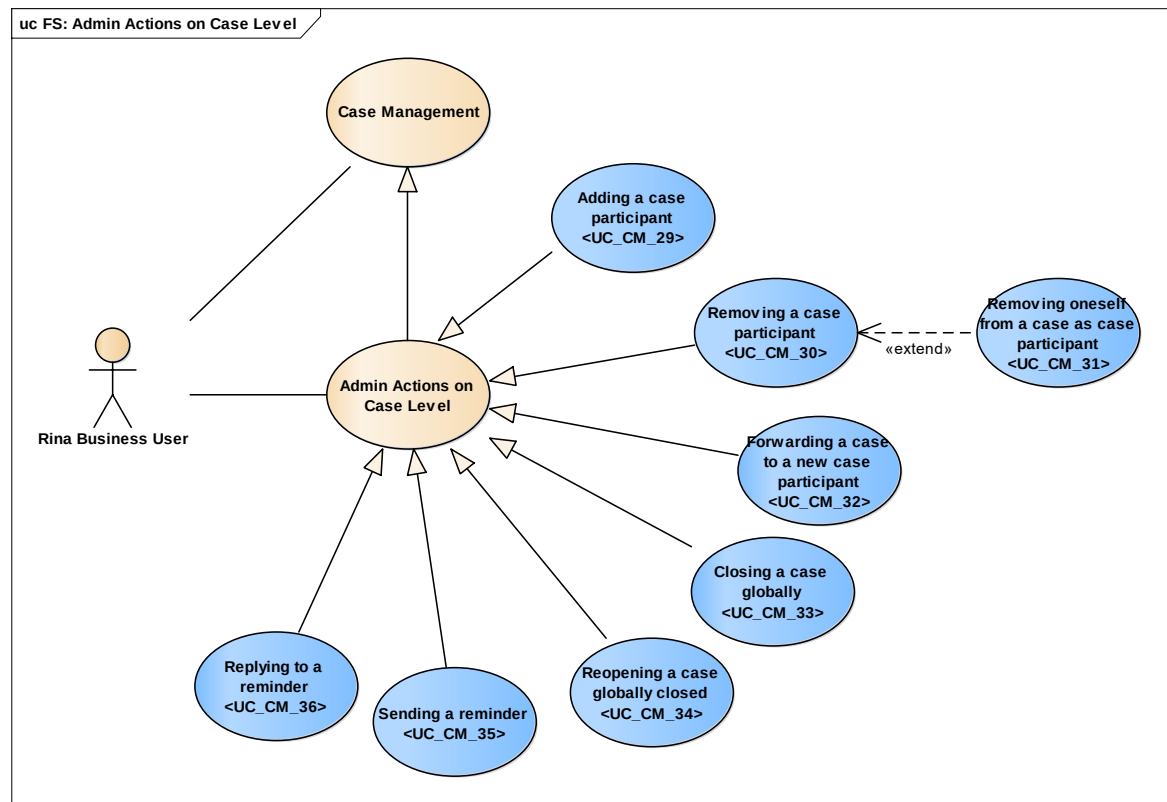
Use Case ID:	UC_CM_28		
Use Case Name:	Reply to a clarification request about a sent SED		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can reply to a clarification request about a sent SED.		

Trigger:	The User clicks the "Action" button of the request for clarification SED X012 and then, from the displayed actions, clicks the "Reply to Clarify", in the "Case Management" Workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. A request for clarification SED X012 has been received in the case 3. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to send a SED ("Supervisor" or "Authorised Clerk").		
Post conditions:	The request for clarifications SED is successfully sent to the sender of the SED. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the Action button of the request for clarification SED X012 and then, from the displayed actions, clicks the "Reply to Clarify", in the "Case Management" Workspace,	The System opens the "SED View" window, displaying in the "SED Form View" the form for SED X013 in Edit mode.
	2	The User fills in the needed fields and clicks the "Save" button.	The System saves the SED X013 in the database.
	3	The User follows steps of UC_CM_17 to send the X013 SED to reply to the clarifications request	See UC_CM_17 for sending X013. SED X013 is sent only to the sender of the X012 SED. The SBDH of X013 includes a reference to the request document – the X012 SED. The X013 has a unique "Set Id" but will also have a "Related Set id" filled in with the "Set id" of the X012 SED. The User can check this for the X013 in the "SED View" -> "SED Document History" area by clicking on the "case icon" button to access the "Header information". Here, the user is able to see that SED X013 has his own "Set id" and a "Related Set Id" filled in with the "Set id" of the X012 SED.
Alternative scenario1	1	After Step 2 of the main scenario, the User can choose to close the SED Form window from the x icon button.	The User can choose to execute step 3 of the main scenario later. The X013 SED is saved in the case and it is available in the "Case Management" Workspace along with all the other SEDs of the case.

Alternative scenario2	1	After Step 2 of the main scenario, if the User does not have a role that allows him to send SED, he can perform UC_CM_19.	See UC_CM_19.
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Admin Actions on Case Level

5.2.4.1.7 Use case diagrams



5.2.4.1.8 Use Case View

UC_CM_29 Adding a case participant

Use Case ID:	UC_CM_29		
Use Case Name:	Adding a case participant		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a new participant can be added to the case after at least one SED was sent in the case. Not all cases allow		

	the addition of participants, the use of this functionality is defined in the BUC Specifications.		
Trigger:	The User clicks on the "Add Participant" button from the "Case Action Bar" in the "Case Management Workspace."		
Preconditions:	1. The User is authenticated in RINA. 2. The case where the participant(s) should be added exists in the system and is in status Open. 3. At least one SED was exchanged in the case with the active participants and this SED was not invalidated. 4. The business logic allows the Tenant Institution, based on its role in the case - Case Owner or Counterparty, to add a new participant in the case. 5. If the Tenant Institution is Counterparty in the case, the institution to be added is from the same country as the Tenant Institution. 6. The participant to be added was synchronised from the IR. 7. The participant to be added is competent to handle the type of case as Counterparty, based on the IR configuration synchronised in RINA.		
Post conditions:	A new participant is added to the case. All the other participants in the case are informed about the added participants. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks on the "Add Participant" button from the "Case Action Bar" in the "Case Management Workspace."	The System opens the "SED View" window, displaying in the "SED Form View" the form for X005 SED in Edit mode.
	2	The User fills in the X005 SED. In the section "2. Added Participant *", field 2.1.2 "Institution Name *", the User chooses the participant to be added.	The 2.1.2 "Institution Name *" has the institution search functionality enabled so the User can follow UC_IS_01 use case to choose the participant
	3	The User clicks the "Save" button of SED X005.	The System saves the X005 SED in the database and make it available in the case. The "Add Participant" action from the "Case Action Bar" is no longer available.
	4	The User clicks the "Send" button of SED X005.	The System displays "Send Document" pop up window. Only the active participants of the case are listed in the window. The new participant is added to the case only after the "Save" action is performed by clicking the "Yes" button in this window.

	5	The User clicks the "Yes" button in the "Send Document" window.	The System closes the "Send Document" window. The "SED View" window closes, and the user returns to the "Case Management Workspace," where SED X005 is displayed in the list of SEDs of the case. SED X005 has the status changed to "Sent". When sending the SED, the System updates the list of receivers of the SED with the new participant also. This can be checked in the "SED View" window, "SED Document History" view, where the list of receivers includes the new participant also. Also, the System sends all the previously sent SEDs in the case to the new participant (only the SEDs sent by the Tenant Institution are sent to the new participant. The other participants in the case, when receiving the X005 SED will also have to send their previously sent SEDs to the new participant). The SEDs to be sent must not be: • Administrative SEDs (X SEDs) • Invalidated SEDs • Reply SEDs to which the Request was invalidated • SEDs for which an X050 was received The list of participants in the case is updated with the new participant. When sending a new SED, the User will have available in the list of receivers the new participant also. In the "Case Action Bar," the "Add Participant" action is made available again. In the "Notification Area" the user can see a new notification generated for the case: "Case SEDs Automatically Sent to New Participant" Any relevant documents in this case have been automatically forwarded on your behalf".
Alternative scenario1	1	After Step 3 of the main scenario, the User can choose to close the SED	The User can choose to execute step 3 of the main scenario later. The X005 SED is saved in the case and it is available in the Case

		Form window from the x icon button.	Management Workspace along with all the other SEDs of the case.
Exception flow 1		At step 2 the User selects as a new participant an institution that is already an active participant of the case and continues with step 3.	The System cannot save the SED in the database and displays the following error message in the "SED Form View" window: "Error. Cannot submit the document. The selected institution is an existing participant!"
Exception flow 2		The Tenant Institution is Counterparty. At step 2, the User selects an Institution from a different country than the country of the Tenant Institution and proceeds with step 3.	The System saves the SED, and displays the following message: "Error saving document: Cannot submit the document: New institution not in same country!"
Exception flow 3		At step 2, the User selects an Institution that is not competent as Counterparty in the type of case where it is added.	The System don't save the SED in the database, and displays the following message: "Error saving document: Cannot submit the document: <Institution Identifier> is not a valid institution for <Case Type>!"

UC_CM_30 Removing a case participant

Use Case ID:	UC_CM_30		
Use Case Name:	Removing a case participant		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how an existing participant can be removed from the case after at least one SED was sent in the case. Not all cases allow the removal of participants, the use of this functionality is defined in the BUC Specifications.		
Trigger:	The User clicks the "Remove Participant" button from the "Case Action Bar" in the "Case Management Workspace."		
Preconditions:	1. The User is authenticated in RINA. 2. The case where the participant needs to be removed exists in the System and is in status Open. 3. The participant to be removed is not the Case Owner of the case. 4. The number of participants in the case is bigger than 3, including the Tenant Institution.		

	5. The business logic allows the Tenant Institution, based on its role in the case -Case Owner, to remove participants.		
Post conditions:	An existing participant is removed from the case. All the other participants in the case are informed about the removed participants. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Remove Participant" button from the "Case Action Bar" in the "Case Management Workspace."	The System opens the "SED View" window, displaying in the "SED Form View" the form for X006 SED in Edit mode. In Section "2 Removed Participant *" the user is allowed to select, from the list of active participants in the case with Counterparty role, the participant to be removed.
	2	The user fills in the X006 SED clicks the " Save" button of SED.	The System saves the X006 SED in the database and make it available in the case. The "Remove Participant" action from the Case Action Bar is no longer available.
	4	The User clicks the "Send" button of SED X006.	The System displays the "Send Document" pop up window. This window includes as receivers all the active participants in the case, including the participant to be removed.
	5	The User clicks the "Yes" button in the "Send Document" window.	The System closes the "Send Document" window. The System closes also the "SED View" window, and the User is returned to the "Case Management Workspace," where SED X006 is displayed in the list of SEDs of the case. The System changes the SED X006 status to "Sent". The list of participants in the case is updated by eliminating the removed participant. When sending a new SED, the User is no longer available in the list of receivers the removed participant. If the number of remaining participants is bigger than 2 (including the Tenant Institution), in the "Case Action Bar", the "Remove Participant" action is made available again.
Alternative scenario1	1	After Step 2 of the main scenario, the User can	The User can choose to execute step 3 of the main scenario later. The

	choose to close the SED Form window from the x icon button.	System saves the X006 SED in the case and make it available in the Case Management Workspace along with all the other SEDs of the case.
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UC_CM_31 Removing oneself from a case as case participant

Use Case ID:	UC_CM_31		
Use Case Name:	Removing oneself from a case as case participant		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how an existing participant removes oneself from the case after at least one SED was sent in the case. Not all cases allow the removal of participants, the use of this functionality is defined in the BUC Specifications.		
Trigger:	The User clicks the "Remove Participant" button from the "Case Action Bar" in the "Case Management Workspace".		
Preconditions:	1. The User is authenticated in RINA. 2. The case where the participant needs to be removed exists in the system and is in status Open. 3. The Tenant Institution is Counterparty in the case. 4. The number of participants in the case is bigger than 3, including the Tenant Institution. 5. The business logic allows the Tenant Institution, based on its role in the case -Counterparty, to remove oneself as participant.		
Post conditions:	The Tenant Institution is removed from the case. All the other participants in the case are informed about the removal. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Remove Participant" button from the "Case Action Bar" in the "Case Management Workspace."	The System opens the "SED View" window, displaying in the "SED Form View" the form for X006 SED in Edit mode. In Section "2 Removed Participant *" the Tenant Institution is the pre-filled value
	2	The User fills in the X006 SED and clicks the "Save" button of SED.	The System saves the X006 SED in the database and make it available in the case. The "Remove Participant" action from the Case Action Bar is no longer available.

	4	The User clicks the "Send" button of SED X006.	The System displays the "Send Document" pop up window. This window includes as receivers all the active participants in the case.
	5	The User clicks the "Yes" button in the "Send Document" window.	The System closes the "Send Document" window. The System closes also the "SED View" window, and the User is returned to the "Case Management Workspace," where the System displays the SED X006 in the list of SEDs of the case. The System changes the SED X006 status to "Sent". The list of participants in the case is updated by eliminating the Tenant Institution from the list of participants. The Case is automatically closed. The status of the case, visible in the Case Information Bar will be updated to "Removed." The "Case Action Bar" is updated by removing all the available actions and enabling the "Archive Case" action. In the Case Notification area, the specific notification is received: "Case Automatically Closed" The case was closed following the removal of this institution from the case"
Alternative scenario1	1	After Step 2 of the main scenario, the User can choose to close the SED Form window from the x icon button.	The User can choose to execute step 3 of the main scenario later. The System saves the X006 SED in the case and makes it available in the Case Management Workspace along with all the other SEDs of the case.

UC_CM_32 Forwarding a case to a new case participant

Use Case ID:	UC_CM_32		
Use Case Name:	Forwarding a case to a new case participant		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		

Description:	This use case describes how an existing participant can forward the case to a new participant after at least one SED was sent in the case and takes over the relevant responsibility from the removed participant. Not all cases allow the forward, the use of this functionality is defined in the BUC Specifications.		
Trigger:	The User clicks the "Forward Case" button from the "Case Action Bar" in the "Case Management Workspace."		
Preconditions:	1. The User is authenticated in RINA. 2. The case that needs to be forwarded exists in the system and is in status Open. 3. The User has the case opened in the Case Management Workspace 4. The business logic allows the Tenant Institution to forward the case. 5. The participant to whom the case should be forwarded was synchronised from the IR. 6. The participant to whom the case should be forwarded is competent to handle the type of case with the same role as the Tenant Institution, based on the IR configuration synchronised in RINA. 7. The participant to whom the case should be forwarded is from the same country as the Tenant Institution.		
Post conditions:	The Tenant Institution is removed from the case. The new participant to whom the case is forward is added to the case. All the other participants in case are informed about the forward. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Forward Case" button from the "Case Action Bar" in the "Case Management Workspace."	The System opens the Document Manager form related to "SED View", displaying in the "SED Form View" the form for X007 SED in Edit mode. In Section "2 Forward Information *" the user has two dedicated sections: • the participant to be added in the case, pre-filled with identifier and name of the Tenant Institution. • the participant to be removed from the case, to be filled in by the User.
	2	The User fills in the X007 SED and selects the participant to forward to and then clicks the "Save" button of the SED.	The System saves the X007 SED in the system and make it available in the case. The "Forward Case" action from the "Case Action Bar" is no longer available.

	3	The User clicks the "Send" button of SED X007.	The System displays the "Send Document" pop up window. This window includes as receivers all the active participants in the case. The participant to be added is not displayed in the list. The new participant is added to the case only after the "Save" action is confirmed by clicking on the "Yes" button in this window.
	5	The User clicks the "Yes" button in the "Send Document" window.	The System closes the "Send Document" window. The System closes also the "SED View" window, and the User is returned to the "Case Management Workspace," where SED X007 is displayed in the list of SEDs of the case. SED X007 has the status changed to "Send". When sending the SED, the system updates the list of receivers of the SED with the new participant also. This can be checked in the "SED View" window, "SED Document History" view, where the list of receivers includes the new participant also. Also, the System sends all the previously sent SEDs in the case to the new participant (only the SEDs sent by the Tenant Institution are sent to the new participant. The other participants in the case, when receiving the X007 SED send their previously sent SEDs to the new participant). The list of participants in the case is updated by eliminating the Tenant Institution from the list of participants. The System closes the Case. The System updates the status of the case, visible in the "Case Information Bar" to "Removed." The "Case Action Bar" is updated by removing all the available actions and enabling the "Archive Case" action. In the Case Notification area, the specific notification will be received: "Case Automatically Closed The case was closed following the removal of this institution from the case"

Alternative scenario1	1	After Step 2 of the main scenario, the User can choose to close the SED Form window from the x icon button.	The User can choose to execute step 3 of the main scenario later. The System saves the X006 SED in the case and makes it available in the Case Management Workspace along with all the other SEDs of the case.
Exception Flow 1		At step 2 the User selects as a new participant an institution that is already an active participant of the case and continues with step 3.	The System cannot save the SED in the database and displays the following error message in the "SED Form View" window: "Error saving document: Cannot submit the document: The selected institution is an existing participant!"
Exception flow 2		At step 2 the User selects as the participant to be removed another institution than oneself and continues with step 3.	The System cannot save the SED in the database and displays the following error message in the "SED Form View" window: "Error saving document: Cannot submit the document: The removed institution is not sender of the document!"
Exception flow 3		At step 2, the User selects an Institution from a different country than the country of the Tenant Institution and proceeds with step 3.	The System does not save the SED, and displays the following message: "Error saving document: Cannot submit the document: New institution not in same country!"
Exception flow 4		At step 2, the User selects an Institution that is not competent in the type of case where it is added.	The System does not save the SED, and displays the following message: "Error saving document: Cannot submit the document: <Institution Identifier> is not a valid institution for <Case Type>!"

UC_CM_33 Closing a case globally

Use Case ID:	UC_CM_33		
Use Case Name:	Closing a case globally		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a case can be globally closed. Not all cases allow the global close, the use of this functionality is defined in the BUC Specifications.		

Trigger:	The User clicks the "Close Case" button from the "Case Action Bar" in the "Case Management Workspace."		
Preconditions:	1. The User is authenticated in RINA. 2. The case that needs to close exists in the system and is in status Open. 3. The business logic allows the Tenant Institution to globally close the case.		
Post conditions:	The case closes in the Tenant institution system. All the other participants in case are informed about the global close. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Close Case" button from the "Case Action Bar" in the "Case Management Workspace."	The System opens the "SED View" window, displaying in the "SED Form View" the form for X001 SED in Edit mode.
	2	The User fills in the X001 SED and then clicks the "Save" button of the SED.	The System saves the X001 SED in the database and make it available in the case. The "Close" action from the "Case Action Bar" is no longer available.
	3	The User clicks the "Send" button of SED X001.	The System displays the "Send Document" form. This form displays as receivers all the active participants in the case.
	4	The User clicks the "Yes" button in the "Send Document" window.	The System closes the "Send Document" window. The System closes also the "SED View" form, and the user is returned to the "Case Management Workspace", where the System displays the SED X001 in the list of SEDs of the case. The System changes the status of the SED X001 to "Sent". The System sends the SED to all the participants in the case. The System closes the case. The System updates the status of the case, visible in the "Case Information Bar" to "Closed." The "Case Action Bar" is updated by removing all the available actions and enabling the "Archive Case" action and the Re-open case (if available, as per BUC Specifications). The System generates a notification of type "Case automatically closed" and sent to all users assigned to the case.

Alternative scenario1	1	After Step 2 of the main scenario, the User can choose to close the "SED Form" window from the x icon button.	The User can choose to execute step 3 of the main scenario later. The System saves the X001 SED in the case and make it available in the "Case Management Workspace" along with all the other SEDs of the case.
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UC_CM_34 Reopening a case globally closed

Use Case ID:	UC_CM_34		
Use Case Name:	Reopening a case globally closed		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can reopen a case after a global close. Not all cases allow reopening the case after a global close, the use of this functionality is defined in the BUC Specifications.		
Trigger:	The User clicks the "Actions" button of the X001 SED and selects the "Reopen Case" action, in the "Case Management Workspace" of the closed case.		
Preconditions:	1. The User is authenticated in RINA. 2. The case that needs to be reopened exists in the system and is in status Closed. The closing was done following UC_CM_33. 3. The business logic allows the Tenant Institution to reopen the case.		
Post conditions:	The case is re-opened in the Tenant institution system. All the other participants in case are informed about the reopen. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Actions" button of the X001 SED and selects the "Reopen Case" action, in the "Case Management Workspace" of the closed case.	The System opens the "SED View" window, displaying in the "SED Form View" the form for X002 SED in Edit mode.
	2	The User fills in the X002 SED and then clicks the "Save" button of the SED.	The System saves the X002 SED in the database and make it available in the case. The "Reopen Case" action from the X001 SED is no longer available.
	3	The User clicks the "Send" button of SED X002.	The System displays the "Send Document" pop up form. This form

			includes as receivers all the participants in the case.
	4	The User clicks the "Yes" button in the "Send Document" window.	The System closes the "Send Document" form. The System closes also the "SED View" window, and the user is returned to the "Case Management Workspace", where SED X002 is displayed in the list of SEDs of the case. The "Archive Case" action from "Case Action Bar" is disabled. The System changes the status of the SED X002 to "Sent". The System sends the SED to all the participants in the case. The reopen process will continue only after all the recipients of X002 SED respond to the request. The response is a X003 SED.
	6	The User takes notice of the X003 SEDs received in the case from the other participants. The User clicks the "Action" button of the X003 SED, and then on the "Decision to request for reopen" button	The System opens the "SED View" window, displaying in the "SED Form View" the form for X004 SED in Edit mode.
	7	The User fills in the X004 SED. In the "Section 2. Decision to reopen Case *", field "2.1. Decision to reopen Case *" the user selects the value "Yes". Then, clicks the "Save" button, followed by "Send" button of the X004 SED (same as steps 2,3, 4)	The System reopens the Case. The System update the status of the case, visible in the "Case Information Bar" from "Closed" to "Open." The "Case Action Bar" is updated by enabling all the possible actions based on the received and sent SEDs in the case. The System sends the SED X004 to all the participants in order to inform them about the reopen of the case.
Alternative scenario1	1	After Step 2 of the main scenario, the User can choose to close the SED Form window from the x icon button.	The User can choose to execute step 3 of the main scenario later. The System saves the X001 SED in the case and make it available in the "Case Management" Workspace along with all the other SEDs of the case.
Exception flow 1		At step 7, the User selects the value "No" as "2.1. Decision to reopen Case *"	The case is not reopened. The "Archive Case" action is made available.

		The "Reopen Case" action from the X001 SED is made available.
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UC_CM_35 Sending a reminder

Use Case ID:	UC_CM_35		
Use Case Name:	Sending a reminder		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User sends a reminder in a case. In certain situations, it may be necessary to remind another institution that an action from its part is necessary for further processing of the case. Not all cases allow to send a reminder, the use of this functionality is defined in the BUC Specifications.		
Trigger:	The user clicks the "Create Reminder" button in the "Case Action Bar.", in the "Case Management Workspace" of the case.		
Preconditions:	1. The User is authenticated in RINA. 2. The case where the reminder is needed exists in the system and is in status "Open". 3. The User wishes to reply to the received X009 with the specific Reply to Reminder SED. 4. The User has the case open in "Case Management" workspace.		
Post conditions:	The reminder is sent to the participant from whom information is needed. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The user clicks the "Create Reminder" button in the "Case Action Bar.", in the "Case Management Workspace" of the case,	The System opens the "SED View" window, displaying in the "SED Form View" the form for X009 SED in Edit mode.
	2	The User fills in the X009 SED, clicks the "Save" button to save it as Draft in the system.	The System saves the X009 in status "Draft" in the database.
	3	The User clicks the "Send" button of SED X002.	The System displays the "Send Document" form. This window displays as receivers all the other participants in the case, with the possibility to select one, more or all the participants as receivers of the X009 SED.

	4	The User selects the needed receivers of the X009 SED and clicks the "Yes" button in the "Send Document" window.	The System closes the "Send Document" form. The System closes also the "SED View" form, and the user is returned to the "Case Management Workspace", where the System displays SED X009 in the list of SEDs of the case, with the status changed to "Sent". The System sends the SED to all the selected receivers. The receivers of the SED may choose to answer to the reminder with the requested information or may choose to answer with the dedicated SED for reply to the reminder. The latter may be necessary because of one of the following reasons: • The requested information/ documents/ SED cannot be sent immediately; • The requested information/ documents/ SEDs cannot be sent at all.
Alternative scenario1	1	After Step 2 of the main scenario, the User can choose to close the SED Form window from the x icon button.	The User can choose to execute step 3 of the main scenario later. The System saves the X009 SED in the case and make it available in the Case Management Workspace along with all the other SEDs of the case.

UC_CM_36 Replying to a reminder

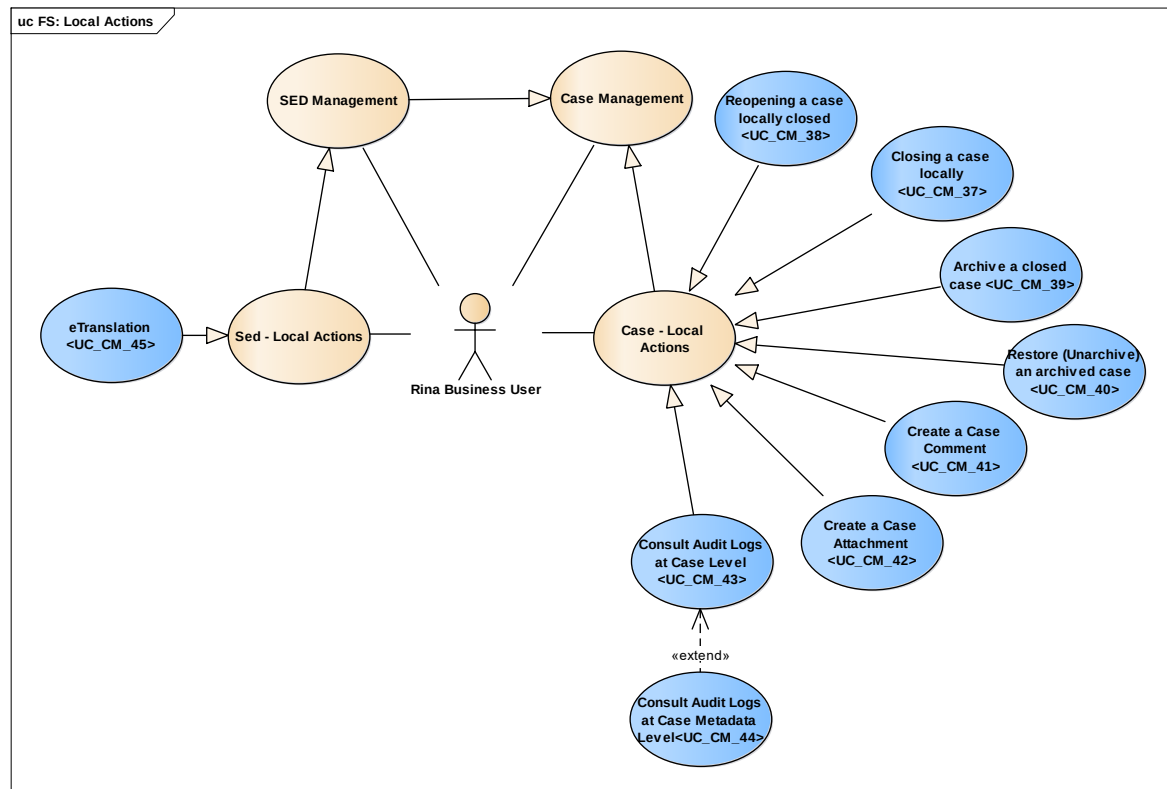
Use Case ID:	UC_CM_36		
Use Case Name:	Replying to a reminder		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can reply to a reminder received in a case. The use of this functionality is defined in the BUC Specifications.		
Trigger:			
Preconditions:	1. The User is authenticated in RINA. 2. The case where the reply to reminder is needed exists in the system and is in status Open.		

	3. An X009 SED was received in the case and was not replied to. 4. The case is in a step that allows the reminder to be sent (the Create Reminder action is activated in the Case Management Workspace). 5. The business logic allows the Tenant Institution to reply to a reminder		
Post conditions:	The reply to reminder is sent. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Action" button of the X009 SED and then the "Reply to Reminder" button, in the "Case Management Workspace" of the case.	The System opens the "SED View" window, displaying in the "SED Form View" the form for X010 SED in Edit mode. The System disables the "Reply to Reminder" action from the possible actions available on X009 SED.
	2	The User fills in the X010 SED, clicks the "Save" button to save it as "Draft" in the system.	The System saves the X010 and switch its status to "Draft".
	3	The User clicks the "Send" button of SED X010.	The System displays "Send Document" pop up window. This window displays as receivers the sender of the X009 SED and all the receivers of the X009 SED, as they were selected by the sender of X009. In case one or more participants were removed from the case, following a "Remove Participants" action or a "Forward" action between receiving the X009 and sending the X010, the list of receivers does not include the removed participant(s).
	4	The User clicks the "Yes" button in the "Send Document" window.	The System closes the "Send Document" window. The System closes also the "SED View" window, and the user is returned to the "Case Management Workspace", where SED X010 will be displayed in the list of SEDs of the case. The System changes the status of SED X010 to "Sent" and the SED is delivered to all involved participants. The sending of X010 follows the UC_CM_26 "Reply to a request SED."
Alternative scenario1	1	After Step 2 of the main scenario, the User can	The User can choose to execute step 3 of the main scenario later. The

	choose to close the SED Form window from the x icon button.	System saves X010 SED in the case and make it available in the Case Management Workspace along with all the other SEDs of the case.
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Local Actions

5.2.4.1.9 Use case diagrams



5.2.4.1.10 Use Case View

UC_CM_37 Closing a case locally

Use Case ID:	UC_CM_37		
Use Case Name:	Closing a case locally		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can locally close a case.		

	The case will officially stay open as far as other participants are concerned. Closing a case locally may be reasonable after an institution delivered all required information to another institution. From administration perspective, if the institution wants to indicate that a case is "complete" (e.g., if it is at a state where no other messages are exchanged, or if the case needs to be archived) a local close may be performed. Not all cases allow the local close. Only the cases that do not include the Global Close (see UC_CM_33) can have a local close.		
Trigger:	N/A		
Preconditions:	1. The User is authenticated in RINA. 2. The case where the local close is needed exists in the system and is in status "Open". 3. The User has the case opened in "Case Management" workspace. 4. The close functionality is permitted in that type of case for that type of role (CO or CP, based on the role of the Tenant Institution in the case). 5. The "Close Case (local)" action is available in the Case action Bar as per previous actions in the case.		
Post conditions:	The case is closed in the System. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The user clicks the "Close Case (Local)" button from the "Case Action Bar", in the "Case Management" workspace.	The System displays the "Close Case" form, containing information about the case to be closed: the message displayed "'Are you sure you want to close this case?'" the local case number and the last update date, and: • a "Yes" button to confirm the action • a "No" button to suspend the action and leave the window without any action • an x icon button to leave the window without any action
	2	The User clicks the "Yes" button.	The System closes the "Close Case" form, returning the User to the "Case Management Workspace". The System displays the message saved success. "Case successfully deleted" The System locally closes the case. The System changes the status of the case, visible in "Case Information Bar" to "Closed". The "Case Action Bar" is updated by disabling all the available actions and enabling the actions

		"Archive Case" and "Reopen Case (Local)". After the local closing, new messages and case notifications are visible on the "Case Management Workspace" once received/created. However, the user is unable to perform any case actions until the case is locally reopened.
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UC_CM_38 Reopening a case locally closed

Use Case ID:	UC_CM_38		
Use Case Name:	Reopening a case locally closed		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can locally re-open a case. This option is available only after a local close (UC_CM_37).		
Trigger:	The user clicks the "Reopen Case(local)" button from the "Case Action Bar.", in the "Case Management" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The case where the local re-open is needed exists in the System and is in status "Closed" following the UC_CM_37. 3. The User has the case opened in "Case Management" workspace. 4. The Re-open functionality is implemented in that type of case for that type of role (CO or CP, based on the role of the Tenant Institution in the case). 5. The case is not globally closed. 6. The case is not archived.		
Post conditions:	The case is locally re-opened. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The user clicks on the "Reopen Case(local)" button from the "Case Action Bar.", in the "Case Management" workspace.	The System displays the "Reopen Case" form, containing information about the case to be reopened: the displayed message "Are you sure you want to reopen this case?", the local case number and the last update date, and:

			• a "Yes" button to confirm the action • a "No" button to suspend the action and leave the window without any action • an x icon button to leave the window without any action
	2	The User clicks the "Yes" button.	The System closes the "Reopen Case" form, returning the user to the "Case Management Workspace". The System displays the message "Case successfully reopened". The System locally opens the case. The System changes the status of the case, visible in "Case Information Bar" to "Open". The "Case Action Bar" is updated by enabling all the available actions and disabling the actions "Archive Case" and "Reopen Case (Local)".

UC_CM_39 Archive a closed case

Use Case ID:	UC_CM_39		
Use Case Name:	Archive a closed case		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can archive a case. RINA allows institutions to set automated archiving policies that archive closed cases after a certain period of time, which can be set individually for each Business Use Case. As this approach is completely automated, end users should not worry about this functionality. However, once a case closes, it can also be manually archived individually.		
Trigger:	The User is clicking the "Archive Case" button from the "Case Action Bar.", in the "Case Management" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The case that should be archived exists in the System and is in status "Closed." 3. The User has the case opened in "Case Management" workspace. 4. The case is not already archived.		

Post conditions:	The case is archived. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User is clicking the "Archive Case" button from the "Case Action Bar.", in the "Case Management" workspace.	The System displays the "Archive Case" form, containing information about the case to be archived: The System displays the message "Are you sure you want to archive this case?", the local case number and the last update date, and: - a "Yes" button to confirm the action - a "No" button to suspend the action and leave the window without any action - an x icon button to leave the window without any action
	2	The User clicks the "Yes" button.	The System closes the "Archive Case" form, returning the user to the "Case Management Workspace", and then to the Main Page of RINA -> the "Case Search Workspace". The System changes the status of the case to "Archived". The case can still be found via Case Search (search for "archived" cases or directly by using the Case Number (Local Case ID/Business Id/International Case Id) with the free-text searching function) The archived case cannot be displayed in the "Case Management Workspace". The System displays the message "Case successfully archived".
Exception flow		On step 2, the System encounters a problem while trying to archive the case.	The System don't archive the case. The System sends a notification to all the users assigned to the case about the failure of the archiving.

UC_CM_40 Restore (Unarchive) an archived case

Use Case ID:	UC_CM_40		
Use Case Name:	Restore (Unarchive) an archived case		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	

Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can restore an archived case.		
Trigger:	The User identifies the archived case to be restored and clicks the "Unarchive" button available in the "Case Search" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The archived case exists in the System and is in status "Archived." 3. The User identified the case in the Case Search Workspace (search for "archived" cases or directly by using the Case Number (Case ID) with the free text searching function)		
Post conditions:	The case is unarchived. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the archived case to be restored and clicks the "Unarchive" button available in the "Case Search" workspace.	The System inform the User by a pop-up notification that the case was unarchived. The new case has status Closed, includes all the received and sent SEDs and can be accessed in the "Case Management" workspace (by using the Case Search or the "Go to Case" functionalities). Also, for each received SED, the System generates a notification of type "A New SED Arrived". The User can access the case in "Case Management Workspace."

UC_CM_41 Create a Case Comment

Use Case ID:	UC_CM_41		
Use Case Name:	Create a Case Comment		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can create a comment related to a Case. These case local notes can be created in order to help the user to keep track of each case progress and actions.		
Trigger:	The User clicks the "Comments" button available in the "Case Toolbar", in the "Case Management" workspace.		

Preconditions:	1. The User is authenticated in RINA. 2. The case exists in the system. 3. The User has the case open in the "Case Management" workspace		
Post conditions:	The case comment is created. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Comments" button available in the "Case Toolbar", in the "Case Management" workspace.	The System displays the "Comments" form. This form contains: - An "Add" button - A free text fields If previous comments exist linked to the case, they are displayed under the free-text field, with the possibility to be deleted with the Delete button.
	2	The User enters his comment in the free-text field and clicks the "Add" button.	The System saves the comment is saved database and make it available to be consulted by all users assigned to the case. The entered comment is displayed in the form under the free text field in a grid with the following information: "Comment": as inserted by the user in the free text field "Creator": displays the User that created the comment "Date": date when the comment was added "Actions": a Delete button (if clicked, it deletes the comment).
	3	The User clicks anywhere outside the comments form	The System closes the form.
Alternative flow1	1	At step 2, instead of clicking on the "Add" button, the User hits the Enter key.	The main flow resumes from results of step 2.

UC_CM_42 Create a Case Attachment

Use Case ID:	UC_CM_42		
Use Case Name:	Create a Case Attachment		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	

Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can upload an attachment related to a specific case. The case attachments are only locally stored, they are not exchanged with the other participants in the case		
Trigger:	The User clicks the "Attachments" button available in the "Case Toolbar", in the "Case Management" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The case exists in the system and is in status Open. 3. The User has the case displayed in the "Case Management" workspace		
Post conditions:	An attachment has been added to the case. An audit event is raised into Audit Log..		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Attachments" button available in the "Case Toolbar", in the "Case Management" workspace	The System displays the "Attachment" form, containing the "Choose File" button. If previous attachments exist linked to the case, they are displayed under the "Choose File" button.
	2	The User clicks the "Choose File" button, selects a file from the local system and uploads it.	The System saves the attachment in the database and make it available to be consulted by all users assigned to the case. In the "Attachment" form, under the "Choose File" field, details about the attachment are displayed in a grid with the following fields: • "Attachment": ○ name of the uploaded file ○ medical information flag -cross icon button, when clicked, changes between the 2 available values: Standard and Medical • "Creator": user that uploaded the file • "Date": date when the file was uploaded • "Actions": ○ a "Download" button to locally download the attachment ○ a "Delete" button to delete the attachment.

	3	The User clicks anywhere outside the attachment form	The System closes the attachment form.
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UC_CM_43 Consult Audit Logs at Case Level

Use Case ID:	UC_CM_43		
Use Case Name:	Consult Audit Logs at Case Level		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	Supervisor, Auditor		
Description:	This use case describes how a User can consult the audit logs of the application at Case Level. For checking the audit logs at SED level, the User can follow UC_CM_16, step 7.		
Trigger:	The User clicks the "Audit Logs" button available in the "Case Information Bar", in the "Case Management" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The case exists in the system. 3. The User has the case displayed in the "Case Management" workspace		
Post conditions:	The User consulted the audit logs.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Audit Logs" button available in the "Case Information Bar", in the "Case Management" workspace.	The System display the "Audit Logs" form, where the User can consult the notifications generated by the system each time a User performs an action in the case. This window has the same structure as the "SED System Notification" area, but provides audit information on case level instead of SED. This window lists all the actions related to the SEDs in the case and all the actions to the Case itself. All the results of Step 7, Step 8 and Step 9 of UC_CM_16 apply here as well."
	2	The User clicks the x icon of the "Audit Logs" window	The System closes the "Audit Logs" window.

UC_CM_45 eTranslation

Use Case ID:	UC_CM_45
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Use Case Name:	eTranslation		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	Supervisor, Auditor		
Description:	This use case describes how a User can translate the content of a field inside a SED using the eTranslation functionality.		
Trigger:			
Preconditions:	1. The User is authenticated in RINA. 2. The User performs UC_CM_13 or UC_CM_13_extention to create a SED or UC_CM_16 to read a SED. 3. The SED has a translation enabled field. 4. The translation enabled field has entered data. 5. The eTranslation service has been configured in the Administrator Portal.		
Post conditions:	The content of the field is translated		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Translate" button available under a text field , in the "SED Form View" of the SED.	The System displays the "Translate" form, containing the following data: • "Source Language" drop down list field to select the language of the chosen text area field; • read only area for displaying the value from chosen text field from the SED; • "Target Language" drop down list field to select the language to translate to • translate area for displaying the translated text Also, the form contains: • A "Print" button • A "Copy" "translation" button – when clicked it saves the translation in the clipboard so the user can paste it as needed • A "Translate" button • An "x icon" button to exit the window
	2	The User selects the source and target languages in the dedicated fields and clicks the "Translate" button.	The System displays the text translated from the SED field and displays the translation in the target text area.

	3	The User clicks the x icon button to leave the form and return to the SED	The System closes the "Translate" form and the user is returned to the SED Form View.
Exception flow 1		The eTranslation service has not been configured in the Administrator Portal.	At step 2, when clicking on the Translate button, the System displays the following error message: "Error getting translation: The server might not be started!" Step 3 can still be performed in order to return the user to the SED Form View.

Field Details

5.2.4.1.11 General

No.	Item name	Type	Validation/ business rules
1	(Sector)	Drop-down list	Mandatory Possible values: list of sectors Maximum one value to be selected
2	(BUC Type)	Drop-down list	Mandatory Possible values: list of BUCs associated with the sector selected in (Sector) Maximum one value to be selected
3	New case	Button	Enabled after (Sector) and (BUC Type) have selected values. When clicked, checks whether: - the user has a Creator policy defined that enables him to create the selected type of BUC - the Tenant institution is authorized to be Case Owner for the

			case type selected by the user
4	Refresh	Icon	When clicked refreshes the page
5	(Hour:minute)	Element	Displays the time in format HH:MM
6	Version	Label	Displays RINA version (Version 6.x.x)

5.2.4.1.12 Case Information Bar

No.	Item name	Type	Validation/ business rules
1	Case Information Bar	Area	
1.1	(Refresh)	Button	
1.2	(Sector/BUC name-Role)	Label	Dynamic label, based on the type of the case and the role played in the case in the format: Sector/BUC name-Role
1.3	(Case Status)	Label	Dynamic label, based on the status of the case Possible values: Open, Closed, Removed
1.4	Gender icon	Label	Dynamic label based on the gender of the case subject. When case subject is not a person, the label is not displayed
1.5	(Citizen name or Institutions ID)	Label	Dynamic label based on the case subject information. When case subject is not set, the label will display "New Case"
1.6	(Citizen date of birth)	Label	Dynamic label based on the case subject information. When case subject is not set, the label is not displayed

1.7	(PIN)	Label	Dynamic label based on the PIN of the case subject. When case subject is not a person or has multiple PINs, the label is not displayed
1.8	(Case metadata) tag icon	Button	When clicked, opens the Case Metadata form
1.8.1	Yes	Button	When clicked, sets the sensitivity to Yes. Once sent in a SED, the case cannot be changed into non-sensitive anymore.
1.8.2	No	Button	When clicked, sets the sensitivity to NO
1.8.3	Update	Button	
1.9	Audit Log	Button	When clicked, opens the Audit Logs window
1.9.1	Refresh icon	Button	
1.9.2	X icon	Button	When clicked, clears checkbox filters
1.9.3	Success	Checkbox	Default unselected
1.9.4	Error	Checkbox	Default unselected
1.9.5	Unauthorized	Checkbox	Default unselected
1.9.6	(Notification search)	Free-text field	
1.9.7	Magnifying glass icon	Button	When clicked, launches the search
1.9.9	(Notification search) x icon	Button	When clicked, clears the free text search filters
1.9.10	Action type	Checkbox field	Possible values: • Read • Create • Update • Delete • Execute Multiple selections allowed
1.9.11	Component type	Checkbox field	Possible values: • Security • Notifications

			• Search Definitions • Business Messaging • Cases • Administration • Documents • Attachments • Comments • Technical Messaging Multiple selections allowed
1.9.1 2	Participant Type	Checkbox field	Possible values: • Organization • Person Multiple selections allowed
1.9.1 3	Participant Role	Checkbox field	Possible values: • Receiver • Sender • Subject Multiple selections allowed
1.9.1 4	Category Type	Checkbox field	Possible values: • Security • Business • Messaging Multiple selections allowed
1.9.1 5	Event Type	Checkbox field	Possible values: • Retrieve Case Id By International Id • Submit Attachment On Document • Create Document • Import Subdocument Batch • Create Search Definition • Logout • Delete Attachment On Document • Export Subdocument Batch • Application Start • Submit Document

			• Receive Technical Message • Change Authorization Policy • Retrieve Notifications Consolidated Summary • Update Document • Update Search Definition • Send Document • Retrieve Initial Document • Set Alarm • Delete Attachment on Case • Create User Or Group • Retrieve Case By Id • Send Business Message • Retrieve Attachment On Document • Retrieve Case By International Id • Submit Attachment on Case • Retrieve Case Hash Code By Id • Delete Comment On Document • Retrieve Notification Time Slots • Login • Retrieve Case Assignments • Submit Comment On Document • Update User Profile • Retrieve Attachment on Case • Clear Alarm • Delete Document • Update Application Profile • Retrieve Notification Summary • Retrieve Document • Delete Comment On Case • Submit Comment On Case • Notify About Received Business Message
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			• Assign Case • Send Technical Message • Retrieve Notification Details • Create New Case • Delete User Or Group • Notify About Status Update • Retrieve Thumbnail • Application End • Search Cases By Search Definition And Or FreeText • Delete Search Definition • Update Notification Multiple selections allowed
1.10	(Notification button)	Button	Button with dynamic label, displayed in 4 squares with different colors, to distinguish between the category of notifications (black – Unread, red – Error, orange- Warning, blue- Information). Each square is populated with the number of notifications of that category.
1.11	Address	Label	Dynamic label based on the address of the case subject. When case subject is not a person or has multiple addressed, the displayed label is "No address set"
1.12	Contact information	Label	Dynamic label based on the phone number, mobile number and email address of the case subject. When case subject is not a person or has multiple contact information, the displayed label is "No contacts set"
1.13	(Local Case ID)	Label	Dynamic label based on the local Id of the case
1.14	Information icon	Button	When clicked, opens a form where the Local ID, Business

			ID and International ID of the case are displayed.
1.15	Since	Label	Dynamic label based on the creation date of the case.
1.16	Update	Label	Dynamic label based on the date of the last update of the case.
1.17	(Case creator)	Label	Dynamic label based on the creator of the case: For received cases: "System" For locally created cases: identifier of the user that created the case
1.18	(Tenant institution)	Label	

5.2.4.1.13 Case Toolbar

No.	Item name	Type	Validation/ business rules
1	Case Toolbar	Area	
1.1	Timeline view	Button	When clicked, changes the presentation mode of SEDs to a one column/two column chronologic display
1.2	Classic view	Button	When clicked, changes the presentation mode of SEDs to a compact rows display
1.3	(Case settings) wheel icon	Button	When clicked, opens the Case Settings pop up window
1.3.1	View mode Classic view	Button	
1.3.2	View mode Timeline view	Button	
1.3.3	Sort by: Creation	Button	
1.3.4	Sort by: Last Update	Button	
1.3.5	Display flag	Checkbox	
1.3.6	Classic view	Checkbox	Enabled if View mode Classic view is selected. Possible values: Group by Month, Show Preview.

			Multiple selections allowed
1.3.7	Timeline view	Area	Enabled if View mode Timeline view is selected.
1.3.7 .1	Display mode: 1 Column	Button	
1.3.7 .2	Display mode: 2 Column	Button	
1.3.7 .3	Display Thumbnails	Checkbox	
1.3.8	Alarm Settings	Area	
1.3.8 .1	Auto set Alarm on Send Action	Checkbox	
1.3.8 .2	Auto Select Period:	Counter enabled filed	Enabled if Auto set Alarm on Send Action is checked
1.3.9	Update	Button	
1.3.1 0	Bell icon	Button	When clicked, the Alarms pop up window is displayed
1.3.1 0.1	Alarm*	Date field with calendar selector	Mandatory Default value: system current date
1.3.1 0.2	(hour and minute)	Counter enabled fields for hour and minute	Mandatory Default value: system current hour and minute
1.3.1 0.3	Note*	Free-text field	Mandatory
1.3.1 0.4	Set alarm	Button	When clicked, checks that another alarm with same date and hour and minute does not exists.
1.3.1 0.5	X icon	Button	Enabled after Set alarm is clicked, one for each set alarm. When clicked, deletes the alarm
1.3.1 1	Participants(no)	Button	Button with dynamic label where (no) is replaced with the actual number of participants in the case.

			When clicked, a form with additional details about participants is displayed
1.3.1 2	Delete	Button	When clicked deletes the inserted data
1.3.1 2	Comments(no)	Button	Button with dynamic label where (no) is replaced with the actual number of comments When clicked, the Comments pop up window is displayed
1.3.1 2.1	(comment)	Free-text field	
1.3.1 2.2	X icon	Button	One for each displayed comment
1.3.1 3	Attachments(no)	Button	Button with dynamic label where (no) is replaced with the actual number of attachments When clicked, the Attachments pop up window is displayed
1.3.1 3.1	Choose file	Button	Enabled only for the locally created SEDs
1.3.1 3.2	X icon	Button	One for each displayed attachment
1.3.1 3.3	Download	Button	One for each displayed attachment

5.2.4.1.14 Case Action Bar

No.	Item name	Type	Validation/ business rules
1	Case Action Bar	Area	
1.1	Filter actions by	Button	Possible values: All, Sector, Admin Default value: All Maximum one selection

1.2	Case Actions	Button	When clicked, expands, or hides the case action specific buttons
1.2.1	Delete case	Button	Enabled if no SEDs have been sent in a locally created case. Unavailable in a received case
1.2.2	Close Case (Local)	Button	Enabled as per business logic (only BUCs that do not have the Global close available), after at least one SED is sent/received
1.2.3	Reopen Case (Local)	Button	Enabled as per business logic, after a Close Case (Local) has been performed
1.2.4	Forward Case	Button	Enabled as per business logic (on a BUC basis), after at least one SED is sent/received
1.2.5	Create Reminder	Button	Enabled as per business logic (on a BUC basis), after at least one SED is sent/received
1.2.6	Add Participants	Button	Enabled as per business logic (on a BUC basis), after at least one SED is sent/received
1.2.7	Remove Participant	Button	Enabled as per business logic (on a BUC basis), after at least one SED is sent/received
1.3	Participants	Button	When clicked, expands or hides the participants related action specific buttons
1.3.1	Choose participants	Button	Enabled in a new locally created case. When clicked, the Choose participants window is displayed Disabled after first selection of participants is saved

1.3.1 .1	Sender	Text box field	Disabled, default value the identifier of the Tenant Institution.
1.3.1 .2	Receivers	Area	
1.3.1 .2.1	Receiver	Free-text field, institution search enabled	Mandatory to be filled in with the receiving institution. Cannot add the same receiver more than once
1.3.1 .2.2	Add	Button	Available only for multi-lateral BUCs When clicked, will enable a new "Receiver" field
1.3.1 .2.3	X icon	Button	One for each Receiver field
1.3.1 .3	Yes	Button	
1.3.1 .4	No	Button	
1.3.1 5	X icon	Button	
1.3.2	Update participants	Button	Enabled in a new locally created case, after the participants have been chosen but no SED has been sent. When clicked, the Choose participants window is displayed Disabled after first SED is sent.
1.3.3	Read Participants	Button	Enabled after at least one SED was sent/received. When clicked, it will open the Participants list window.
1.4	Documents	Button	When clicked, expands, or hides the document actions specific buttons
1.4.1	Create <SED_CODE>	Button	One for each sectorial SED, as per business logic (based on BUC type and already sent/received SEDs).

1.5	Horizontal Documents	Button	When clicked, expands or hides the horizontal documents related actions specific buttons
1.5.1	Create <HOR_SED_CODE>	Button	One for each horizontal SED, as per business logic (based on BUC type and already sent/received SEDs).
1.6	Case Assignment	Button	When clicked, the Case Assignment Toolbar opens

5.2.4.1.15 Case Assignment

No.	Item name	Type	Validation/ business rules
1	Case assignment	Area	
1.1	(Importance and criticality matrix)	Selection area	
1.2	Role	Selection area	Possible values: Auditor (default value), Authorized, Medical, Nonauthorized, Supervisor, Viewer, VIP
1.3	Assigned users/groups	Area	
1.3.1	X icon	Button	One for each displayed assigned users/groups
1.3.2	Select group ~ icon	Drop-down list	Possible values: the list of existing groups of users from the Tenant institution. After a selection is made, the users included in the selected group are displayed under the Select user: label
1.3.3	Add	Button	Default disabled. Enabled when a selection is made from the Select group ~ icon
1.4	Request Assignment to Me	Button	When clicked, the Request pop up window is opened
1.4.1	(Roles)	Checkbox fields	Possible values: • Auditor • Authorized • Medical • Nonauthorized

			• Supervisor • Viewer • VIP Multiple selections are allowed
1.4.2	(Comment)	Free-text field	
1.4.3	Request	Button	
1.5	Update	Button	
1.6	X icon	Button	

5.2.4.1.16 Navigation and filtering

No.	Item name	Type	Validation/ business rules
1	SED Navigation	Area	
1.1	Filter documents by:	Area	
1.1.1	(Document type)	Checkbox field	Possible values: All Document Types, one for each <SED_CODE> exchanged in the case Multiple selections possible
1.1.2	(Document direction)	Checkbox field	Possible values: All Document Directions, Outgoing, Incoming Multiple selections possible
1.1.3	(Document Statuses)	Checkbox field	Possible values: All Document Statuses, Sent, Received Multiple selections possible

5.2.4.1.17 SED List

No.	Item name	Type	Validation/ business rules
1	SED List	Area	
1.1	<SED_Code> thumbnail preview	Area	Enabled if Timeline View is selected
1.1.1	Comment icon	Button	When clicked, enables the comment free text field
1.1.1.1	(Comment)	Free text field	Enabled when the Comment icon is clicked. Requires pushing Enter for the Comment to be published

1.1.1.2	X icon	Button	One for each published comment. When clicked, deletes the comment
1.1.2	Attachment icon	Button	
1.1.2.1	Choose File	Button	Enabled for locally created SEDs when Attachment icon is clicked, if per business logic SED allows attachments
1.1.2.1	(Class of attachment) cross icon	Button	One for each published attachment. When clicked, switches between values Standard and Medical for the class of the attachment
1.1.2.2	X icon	Button	One for each published attachment
1.1.2.3	Download	Button	One for each published attachment
1.1.3	Actions	Button	When clicked, displays the list of possible actions.
1.1.4	Print icon	Button	
1.1.5	Lock icon	Button	When clicked, the Certificate window is displayed
1.1.6	Eye icon	Button	When clicked, the Document details window is displayed
1.1.5	Magnifying glass icon	Button	When clicked, opens the SED Viewer
1.2	<SED_CODE> row preview	Area	Enabled if Timeline View is selected
1.2.1	Lock icon	Button	When clicked, the Certificate window is displayed
1.2.2	Eye icon	Button	When clicked, the Document details window is displayed
1.2.3	Note icon	Button	When clicked, opens the SED Viewer

5.2.4.1.18 SED Viewer

No.	Item name	Type	Validation/ business rules
1	SED Header Information Bar	Area	
1.1	Lock icon	Button	When clicked, the Certificate window is displayed
1.2	Eye icon	Button	When clicked, the Document details window is displayed

1.3	(version x)	Label	Dynamic label version x, where x is the number of the SED version. When creating the SED, this label is set to "version 1". Whenever the user clicks on the "Save" button of a SED, the version is incremented by 1
1.4	(SED Status)	Label	Dynamic label with the status of the SED. When saving a newly created the SED, the label is DRAFT
2	SED Information Bar	Area	
2.1.	Pencil icon	Button	When clicked, displays the SED Form area
2.1.1	SED FORM	Area	
2.1.1.1	Comments	Area	
2.1.1.1.1	(Comment)	Free text field	Enabled when the Comment icon is clicked. Requires pushing Enter for the Comment to be published
2.1.1.1.2	X icon	Button	One for each published comment. When clicked, deletes the comment
2.1.1.2	Attachments	Area	
2.1.1.2.1	Choose File	Button	Enabled for locally created SEDs when Attachment icon is clicked
2.1.1.2.2	(Class of attachment) cross icon	Button	One for each published attachment. When clicked, switches between values Standard and Medical for the class of the attachment
2.1.1.2.3	X icon	Button	One for each published attachment
2.1.1.2.4	Download	Button	One for each published attachment
2.1.1.3	Maximize icon	button	When clicked, hides/unhides the Comments and Attachments areas
2.1.1.4	(Actions)	Area	Area with action buttons

2.1.1.4 .1	Save	Button	Enabled for newly created SEDs
2.1.1.4 .2	Reset	Button	Enabled for newly created SEDs, before Save
2.1.1.4 .3	Send	Button	Enabled for locally created SEDs
2.1.1.4 .4	Update	Button	Enabled for locally created SEDs, as per business logic
2.1.1.4 .5	Invalidate SED	Button	Enabled for locally created SEDs, as per business logic
2.1.1.4 .6	Create <SED_CODE>Re ply	Button	Enabled for received SEDs, as per business logic
2.1.1.4 .7	Read participants	Button	
2.1.1. 5	(SED Fields)	(as per SED definition)	
2.1.1. 5.1	Translate	Button	When clicked, opens the Translation page
2.1.1.5 .1.1	Source Language	Dropdown list	
2.1.1.5 .1.2	Target Language	Dropdown list	
2.1.1.5 .1.3	Print	Button	Enabled after translation is performed
2.1.1.5 .1.4	Copy translation	Button	Enabled after translation is performed
2.1.1.5 .1.5	Translate	Button	Enabled
2.2	Wheel icon	Button	When clicked, it will display the SED System Notifications area
2.2.1	SED System Notifications	Area	
2.2.1.1	Refresh icon	Button	
2.2.1.2	X icon	Button	When clicked, clears checkbox filters
2.2.1.3	Success	Checkbox	Default unselected
2.2.1.4	Error	Checkbox	Default unselected
2.2.1.5	Unauthorized	Checkbox	Default unselected
2.2.1.6	(Notification search)	Free-text field	

2.2.1.7	Magnifying glass icon	Button	When clicked, launches the search
2.2.1.8	(Notification search) x icon	Button	When clicked, clears the free text search filters
2.2.1.9	Filter by	Area	
2.2.1.9.1	Action Type	Checkbox field	Possible values: • Read • Create • Update • Delete • Execute Multiple selection allowed
2.2.1.9.1	Component Type	Checkbox field	Possible values: • Security • Notifications • Search Definitions • Business Messaging • Cases • Administration • Documents • Attachments • Comments • Technical Messaging Multiple selections allowed
2.2.1.9.2	Category Type	Checkbox field	Possible values: • Security • Business • Messaging Multiple selections allowed
2.2.1.9.3	Event Type	Checkbox field	Possible values: • Retrieve Case Id By International Id • Submit Attachment On Document • Create Document • Import Subdocument Batch • Create Search Definition • Logout

			• Delete Attachment On Document • Export Subdocument Batch • Application Start • Submit Document • Receive Technical Message • Change Authorization Policy • Retrieve Notifications Consolidated Summary • Update Document • Update Search Definition • Send Document • Retrieve Initial Document • Set Alarm • Delete Attachment on Case • Create User Or Group • Retrieve Case By Id • Send Business Message • Retrieve Attachment On Document • Retrieve Case By International Id • Submit Attachment on Case • Retrieve Case Hash Code By Id • Delete Comment On Document • Retrieve Notification Time Slots • Login • Retrieve Case Assignments • Submit Comment On Document • Update User Profile • Retrieve Attachment on Case • Clear Alarm • Delete Document • Update Application Profile • Retrieve Notification Summary • Retrieve Document • Delete Comment On Case • Submit Comment On Case • Notify About Received Business Message • Assign Case • Send Technical Message • Retrieve Notification Details • Create New Case
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			- Delete User Or Group - Notify About Status Update - Retrieve Thumbnail - Application End - Search Cases By Search Definition And Or FreeText - Delete Search Definition - Update Notification
2.3	Folder icon	Button	When clicked, displays the SED Document History area
2.3.1	SED Document History	Area	
2.3.1.1	(SED Version preview)	Area	One for each sent/received version
2.3.1.1.1	View	Button	When clicked, switches to the SED FORM
2.3.1.1.2	Arrow icon	Label	Pointing right for outgoing SEDs and pointing left for incoming SEDs
2.3.1.1.3	Lock icon	Button	When clicked, opens the Certificate form
2.3.1.1.4	Eye icon	Button	When clicked, opens the Document Details form
2.3.1.5	Case icon	Button	One for each receiver of the SED for sent SED. One for sent SEDs When clicked, opens the Header information form
2.3.1.6	Envelope icon	Label	Enabled only for sent SEDs Dynamic label, based on the received acknowledgements for a sent SED. One for each receiver of the SED. - grey for undelivered - green for successfully delivered

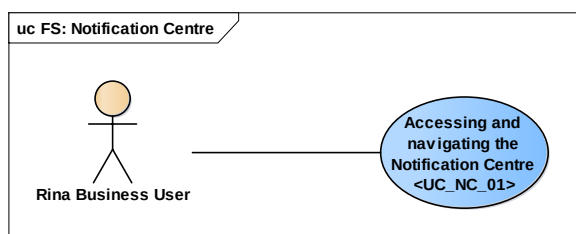
			- red for errors on delivery (clicking on the red envelope will show the error message)
2.3.1.7	(Delivery Status)	Label	Dynamic label For received SEDs: Received For sent SEDs, based on the received acknowledgements for a sent SED. One for each receiver of the SED •no status if the version was not sent, •Sent if the version was sent but the receive acknowledgement was not yet received, •Delivered if the receive acknowledgement was received, •Error if the version was not successfully delivered.
2.3.1.8	Resend	Button	Enabled if delivery status =Error
2.3.1.9	Filter by	Area	
2.3.1.9.1	Document Status	Checkbox	Possible values: • Draft • Modified • Cancelled • Received • Sent Multiple selections allowed
2.4	Document list	Area	Enabled only for batch SEDs (as per business logic)
2.4.1	(Enter search text here)	Free text field	
2.4.2	Magnifying glass icon	Button	When clicked, launches the search of entered text in the list of individual documents
2.4.3	X icon	Button	When clicked, clears the search in the list of individual documents
2.4.4	All	Button	Enabled only for locally created batch SEDs.

			When clicked, retrieves the list with all the individual documents
2.4.5	Valid	Button	Enabled only for locally created batch SEDs. When clicked, retrieves the list with the valid individual documents
2.4.6	Invalid	Button	Enabled only for locally created batch SEDs. When clicked, retrieves the list with the invalid individual documents
2.4.7	Import	Button	Enabled only for locally created batch SEDs, while editing the SED.
2.4.8	Add	Button	Enabled only for locally created batch SEDs, while editing the SED.
2.4.9	Export	Button	
2.4.10	(Individual document identifier)	Button	One for each individual document. When clicked, the SED Form will display the content of the individual document.
2.4.11	X icon	Button	One for each individual document identifier. Enabled only for locally created batch SEDs, while editing the SED.

5.2.5 Notifications

Accessing and navigating the Notifications workspace

5.2.5.1.1 Use case diagrams



5.2.5.1.2 Use Case View

UC_NC_01 Accessing and navigating the Notifications workspace

Use Case ID:	UC_NC_01
Use Case Name:	Accessing and navigating the Notifications workspace

Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can access and navigate the Notifications.		
Trigger:	N/A		
Preconditions:	1. The User is authenticated in RINA. 2. The User is authorized to see the notifications for the cases. New notifications for cases not assigned to the User performing the use case are not displayed in the Notifications. New notifications for cases marked as Sensitive with a "VIP flag" set on "YES" are only be visible to users with "VIP flag". For ongoing cases, any changes in the policies of the User and/or in the sensitivity flag of the cases from "NO" to "YES" causes the following changes: - the list of existing displayed notifications is not changed, the only impact is in the possible actions to be perform on those notification (like Open case, Assign, etc) that are updated accordingly to new situation. - the new notifications are not displayed to the user		
Post conditions:	The User has access to all the business notifications. An audit event is raised into Audit Log.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the button "Notifications" from the Main Menu. The label of this button also contains the number of notifications. This is a dynamic label and will be updated according to the number of notifications in the system.	The System displays the "Notifications Workspace" area. In this window, the User sees all the notifications related to the cases the User has created or has been assigned to. These notifications are generated by the System, based on four main triggers: - A case workflow action has been executed by a case participant; - A request to assign a case to a certain User arrived, has been accepted or rejected; - A SED error occurred; - An internal alarm has expired; The Notification workspace has 2 areas: 1. <u>The Display area</u> The notifications are displayed in a grid with the following header:

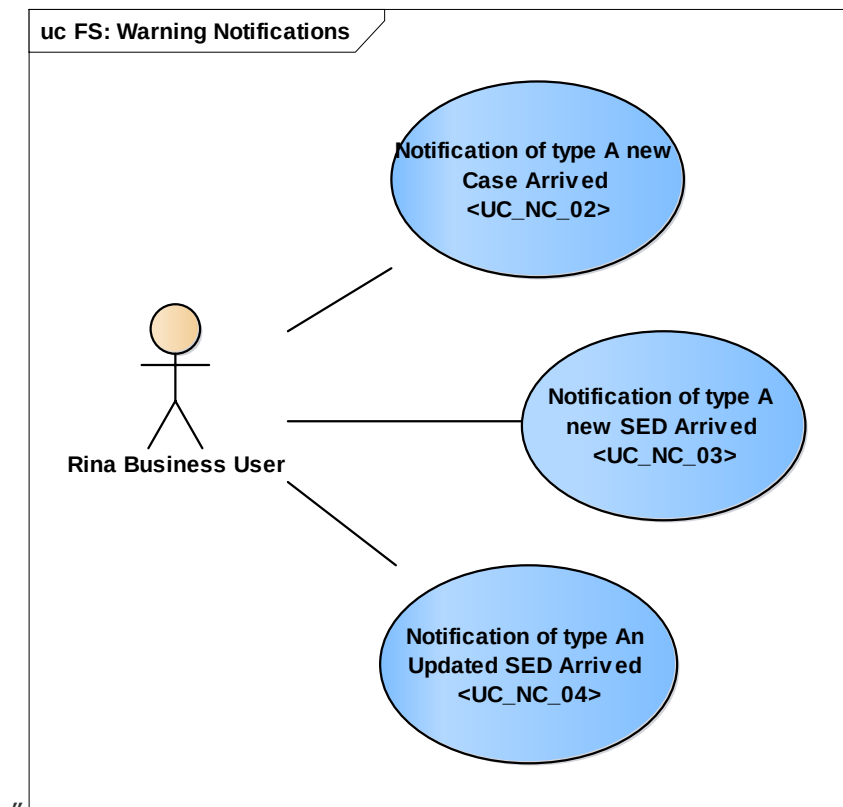
		• Checkbox field – when selected all displayed notifications are selected. For each displayed notification, the checkbox field is also available. Clicking on the checkbox field at notification level/ all notification level) activates 2 buttons in the header: ◦ a button labelled “Mark as Unread” ◦ a button labelled “Mark as Read” • (show details column)- for each displayed notification, in this column the User has available the “>” button for displaying the details of the notification • (more info column) – for each displayed notification, in this column the User has available two icons: ◦ An info “!” icon- to indicate the type of notification colored in blue for information notification, yellow for warning notification and red for error notification ◦ The criticality and severity matrix icon of the case • “Date” – the date when notification was generated • “Type” – type of notification • “Description • Actions” – for each displayed notification, an “Action” button-when clicked displays available actions for that type of notification Under the header, all the relevant notifications are displayed ordered descending by the notification date. The types of notifications generated by the system are: • Warning notifications: ◦ “A New Case Arrived”; ◦ “A New SED Arrived”; ◦ “An Updated SED Arrived”; • Information notifications: ◦ “Request to Assign Case”; ◦ “Request to Assign Case Rejected”; ◦ “Request to Assign Case Accepted”; ◦ “Case Unassigned”; ◦ “Case Assigned”; ◦ “Your Alarm Expired”; ◦ “Approval for Sending Required for SED”;
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			○ "Case Automatically Closed"; ○ "SED Delivered"; ○ "Case SEDs Automatically Sent to New Participant"; • Error notifications: ○ "Archiving Case Problem"; ○ "SED Not Matching Case"; ○ "Case Missing"; ○ "Case Assignment Exception"; ○ "Attachment failed antimalware checking"; ○ "Archiving Case Exception"; ○ "SED Update without Create"; ○ "SED Failed to be Delivered"; ○ "SED in a wrong Sequence"; ○ "Case Forwarded"; ○ "Invalid Business Signature"; ○ "Case Removed"; ○ "Unknown Cause"; ○ "Case Closed"; 2. <u>The Search area</u> In the Search area the user has available: ○ A search button – when clicked refreshes the list of displayed notifications. ○ A free text field "Enter case id" for searching notifications related to a case id ○ A "filter icon" button
	2	Steps 2-> 10 from UC_CM_11	Results from steps 2->10 from UC_CM_11
	3	The User enters a case id in the "Enter case id" free text and clicks the magnifying glass icon	In the display area, only notifications linked to the search case id are displayed.
	4	The User clicks the filter icon button and selects needed filters. The filters are checkbox fields, grouped by type. Each grouping has a descriptive label and an x icon to remove the criterion from filter. The groups and criteria are: • "Severity" group with: ○ "Warning" ○ "Information" ○ "Error" • "Recent" group with: ○ "Unread"	Only the notifications complying the selected criteria are displayed.

		○ "Read" • "Type group" with available values the types of notifications.	
	5	The User clicks the Search button	The System redisplay the list of notifications, and all applied filters are removed.

Warning Notifications

5.2.5.1.3 Use case diagrams



5.2.5.1.4 Use Case View

UC_NC_02 Notification of type "A new Case Arrived"

Use Case ID:	UC_NC_02		
Use Case Name:	Notification of type "A new Case Arrived"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		

Description:	This use case describes how a User is notified about the fact that a new case arrived and the available actions to be performed at this type of notification.		
Trigger:	A starter SED from another National Application was received in the system. Based on this SED, the System creates a new case in the database, with the Tenant Institution as Counterparty of the case. Also, the System identifies, based on the assignment policies of the users, the Sector and Case Type retrieved from the SBDH of the starter SED, the suitable users to be assigned to the case, assigns them to the case and generates a notification for each identified User. This notification is available in the "Notifications" workspace. This SED can be the first SED of a newly created case or could be the starter SED of an ongoing case that was forwarded to the Tenant Institution. Steps 2 and 3 of the use case are optional and can be executed in sequence or separately.		
Preconditions:	1. The User is authenticated in RINA. 2. The starter SED of a new case has been received in the system. 3. The notification of type "A new Case Arrived" is configured from the Administrator Console to be available to the clerk. 4. The System assigned the case to the User and generated a "A new Case Arrived" notification.		
Post conditions:	The User has access to the new case.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "A new Case Arrived" and clicks on the expand notification button, represented with the ">" icon, in the "Notifications" workspace, The description of the notification is: "A new <Name of the case type> has arrived from <Institution Id identifier> and was automatically assigned to you"	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The details of the notification are displayed: • "Local Case Id": the Local Id of the case automatically created by the system • "Case Type": the Sector code and the case type of the new case. These attributes are identified based on the started SED received, as this information is included in the SBDH of the SED. • "Assignees": the list of Users that, as per the policies assigned to them, are assigned to the case.

			- Also, the User has available the "Action" button- when clicked following action buttons are displayed: "Open case" button: when clicked, it will open the "Case Management workspace" of the case "Assign" button: "Mark as unread" button"
	2	The User clicks the "Assign" button.	The System displays "Case Assignment" form to the user. The user can perform here the UC_CM_04, UC_CM_05 or UC_CM_06
	3	The User clicks the "Open case" button.	The System opens the "Case Management" workspace window, displaying to the user the new case. The received starter SED and any other received SEDs are displayed to the user.
Exception flow 1		The User performs step 2 or step 3 of the main flow. The User is not authorised to assign the case. For example, the received case has the "VIP flag" set to "YES", but the User does not have the "VIP Role" assigned.	The System does not display the details of the case. The System displays the error message: "Cannot get case: the user with username: [...] is not authorized."

UC_NC_03 Notification of type "A new SED Arrived"

Use Case ID:	UC_NC_03		
Use Case Name:	Notification" of type "A new SED Arrived"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that a new SED arrived in a case he/she is assigned to and the available actions to be performed at the level of this type of notification.		
Trigger:	A new SED arrived in the system from a NA.		

	The SED was successfully assigned to an open case existing in the system and a notification was generated to the Users assigned to the case. The User identifies the received notification of type "A new SED Arrived" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. A new SED arrived in the system. 3. The User is assigned to the case where the SED arrived. 4. The notification of type "A new SED arrived" is configured from the Administrator Console to be available to the user.		
Post conditions:	The User can access the case		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "A new SED Arrived" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace. The description of the notification is: "A new <Name of the SEDtype>/ <SED_Code> SED has arrived from <Institution Id identifier> <Name> <Surname>"	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: • "Local Case Id:" the Local Id of the case automatically created by the system • "Case Type": the Sector code and the case type of the new case. These attributes are identified based on the started SED received, as this information is included in the SBDH of the SED. • "Assignees": the list of Users that, as per the policies assigned to them, are assigned to the case. Also, the User has available the "Action" button- when clicked following action buttons are displayed: • "Open case" button: when clicked, it opens the "Case Management workspace" of the case • "Mark as unread" button
	2	The User clicks the "Open case" button.	The System opens the "Case Management" workspace window, displaying to the user the case. The

			System displays the received SED in the list of SEDs of the case. The "Case Action Bar" is updated by enabling all the available actions as per business logic when receiving that type of SED.
Alternative flow 1		The received SED is an X005 SED - Add participant.	At step 2, when the User opens the case, besides the described results, he/she notices the following: If the added participant is not the Tenant Institution, the number of participants is increased and in the list of participants a new participant is added. Also, all the SEDs sent by the Tenant Institution are automatically sent to the new participant, and the User receives a notification of type "Case SEDs Automatically Sent to New Participant."
Alternative flow 2		The received SED is an X006 SED-Remove participant.	At step 2, when the User opens the case, besides the described results, he/she notices the following: <u>If the removed participant is not the Tenant Institution:</u> The number of participants is decreased and in the list of participants the removed participant will be eliminated. <u>If the removed participant is the Tenant Institution:</u> The case is automatically closed. All the actions from Case Action Bar and at SED level are updated, leaving available only the "Archive Case" action. Also, all the SEDs sent by the Tenant Institution are automatically sent to the new participant.
Alternative flow 3		The received SED is an X007 SED-Forward case.	At step 2, when the User opens the case, besides the described results, he/she notices the following: <u>If the removed participant is not the Tenant Institution:</u> In the list of participants, the removed participant is eliminated, and the added participant is available. Also, all the SEDs sent by the Tenant Institution are automatically sent to the new participant, and the

			User receives a notification of type "Case SEDs Automatically Sent to New Participant." <u>If the removed participant is the Tenant Institution:</u> The System closes the case. All the actions from Case Action Bar and at SED level are updated, leaving available only the "Archive Case" action.
Alternative flow 4		The received SED is an X001 SED-Close case.	The System closes the Case. The status of the case, visible in the "Case Information Bar" is updated to "Closed." The "Case Action Bar" is updated by removing all the available actions and enabling the "Archive Case" action and the Re-open case (if available as per BUC logic).
Exception flow 1		The new arrived SED could not be assigned to any open existing case in the system.	The System doesn't generate notification of type "A new SED Arrived". Instead, the System automatically generates a X050 SED and sends it to the sender of the received SED. The reason inside the X050 is: "[01] Receiving a SED for a missing case". Also, the System generates the notification "Case missing".
Exception flow 2		The new arrived SED was assigned to a globally closed case. The case is closed after performing UC_CM_33 or by being the receiver of the close SED from another participant in the case.	The System doesn't generate notification of type "A new SED Arrived". Instead, the System generates a X050 SED and sends it to the sender of the received SED. The reason inside the X050 is: "[06] Receiving a SED when the case is in global close status."
Exception flow 3		The new arrived SED was assigned to a case that was forwarded by the Tenant Institution, by performing UC_CM_32	The System doesn't generate notification of type "A new SED Arrived". Instead, the System generates a X050 SED and sends it to the sender of the received SED. The reason inside the X050 is: "[03] Receiving a SED after the case was forwarded to another participant."

Exception flow 4		The new arrived SED was assigned to a case from which the Tenant institution was removed, by performing UC_CM_31 or by receiving the Remove participant SED from another institution (UC_NC_23).	The System doesn't generate notification of type "A new SED Arrived". Instead, the System generates a X050 SED and sends it to the sender of the received SED. The reason inside the X050 is: "[04] Receiving a SED after the case was removed by receiving a X006 SED."
Exception flow 5		The new arrived SED references another SED from the case that does not exist in the case.	The System doesn't generate notification of type "A new SED Arrived". Instead, the System generates a X050 SED and sends it to the sender of the received SED. The reason inside the X050 is: "[05] Receiving a SED not in the correct order, as defined by the BUC."
Exception flow 6		The User performs step 2 of the main flow. The received SED has the "VIP flag" set to "YES". The User does not have the "VIP Role" assigned when performing the use case.	The System does not display the details of the case to the user. The System displays the error message: "Cannot get case: the user with username: [...] is not authorized." "

UC_NC_04 Notification of type "An Updated SED Arrived"

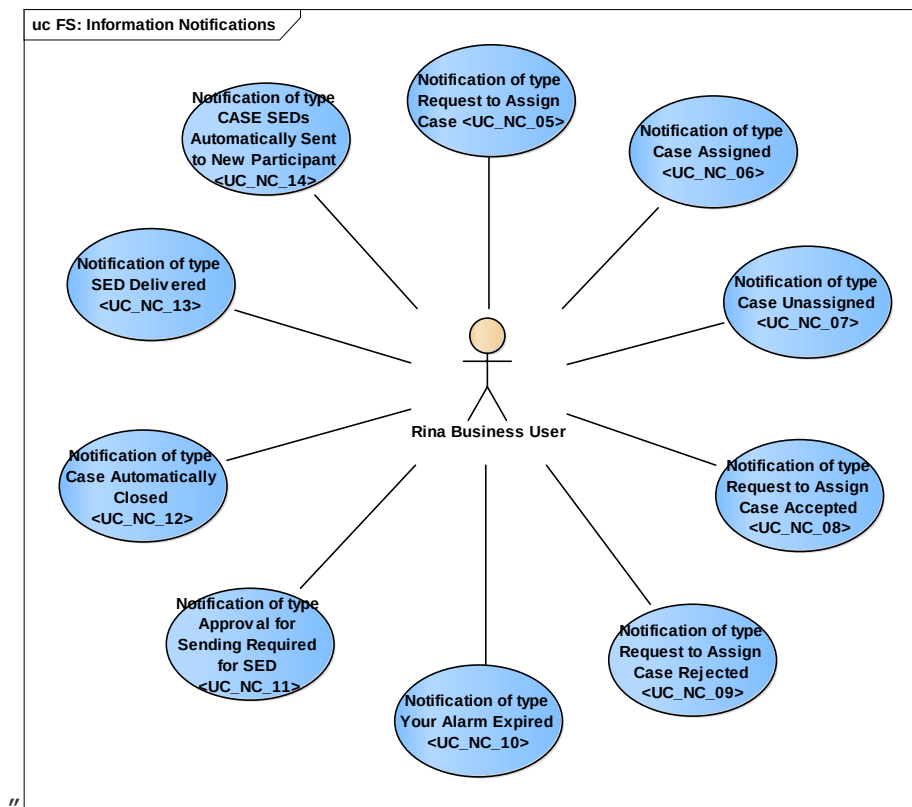
Use Case ID:	UC_NC_04		
Use Case Name:	Notification of type "An Updated SED Arrived"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that an update to a received SED in the case has been received		
Trigger:	The owner of the original SED sends an update to a SED from his National Application. The User identifies the received notification of type "An Updated SED Arrived" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		

Preconditions:	1. The User is authenticated in RINA. 2. The User is assigned to the case that receives the update to a SED. 3. The notification of type "An updated SED Arrived" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is notified about the received update SED and can access it in the Case Management Workspace.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "An Updated SED Arrived" and clicks on the expand notification button, represented with the ">" icon, in the "Notifications" workspace. The short description of the notification is: "An updated <Name of SED> / <SED Code> SED has arrived from <Institution Id identifier>" <"Name"> <"Surname">	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the new case. "Assignees", the list of Users that are assigned to the case. Also, the User has available the following action buttons: "Open case" button: when clicked, it opens the "Case Management workspace" of the case "Mark as unread" button
	2	The user clicks the "Open case" button.	The System opens the "Case Management" workspace form, displaying the case. The System displays the SEDs of the case in the list of SEDs of the case. The System saves the updated SED in the database and the System displays it instead of the original SED. The displayed version of the SED is the one of the update SED. This new version, and the previous ones are available for the user in "SED Document History View". In case the updated SED is the first SED of the case, the "Case Information Bar" is updated with the new values of the fields inside the new version of the SED as all the Case Metadata is retrieved from this SED. The "Case Action Bar" and the actions available at SED level for the

			updated SED are updated according to business logic, by enabling all the actions that were made available when the original SED was received.
Exception flow 1		The new arrived update SED is received in the System but the original SED, referenced in the SBDH (in the "Related Set id") cannot be identified in the System.	The System does not generate the notification of type "A new SED Arrived". Instead, the System generates a X050 SED and sends it to the sender of the received SED. The reason inside the X050 is: "[02] Receiving an update for a missing SED."
Exception flow 2		The User performs step 2 of the main flow. The received updated SED has the "VIP flag" set to "YES". The User does not have the "VIP Role" assigned when performing the use case.	The System does not display the details of the case to the user. The System displays the error message: "Cannot get case: the user with username: [...] is not authorized." "

Information Notifications

5.2.5.1.5 Use case diagrams



5.2.5.1.6 Use Case View

UC_NC_05 Notification of type "Request to Assign Case"

Use Case ID:	UC_NC_05		
Use Case Name:	Notification of type "Request to Assign Case"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	Supervisor		
Description:	This use case describes how a User is notified about the fact that another User has requested assignment to a case and how the User can answer to this request.		
Trigger:	UC_CM_06 performed in the system The User (with "Supervisor" role) identifies the received notification of type "Request to Assign Case" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace,		
Preconditions:	1. The User is authenticated in RINA. 2. Another User (not assigned to the case) has performed UC_CM_06 on a case assigned to the user 3. The User has "Supervisor" role assigned. 4. The notification of type "Request to Assign Case" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The request to assign case is answered to.		
Main Scenario:	#	Step actions	Expected Result
	1	The User (with "Supervisor" role) identifies the received notification of type "Request to Assign Case" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace, The description of the notification is: "<USER_NAME> has requested that you assign this case to him"	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: • "Local Case Id": the "Local Id" of the case automatically created by the system • "Case Type": the "Sector" code and the case type of the new case. These attributes are identified based on the started SED received, as this information is included in the SBDH of the SED. • "Reason": the reason entered by the User that performed UC_CM_06

			• "Actors": the values selected by the User that performed UC_CM_06 • "Assignees": the list of Users that are assigned to the case. Also, the User has available the following action buttons: • "Open case" button: when clicked, it opens the "Case Management workspace" of the case • "Mark as unread" button" • "Accept" button to accept the request to assign the case" • "Reject" button to reject the request to assign the case
	2	The User clicks the "Accept" button.	The requesting User is assigned to the case. The System generates a notification of type "Request to Assign Case Accepted" for the requesting user informing him about the decision.
Alternative scenario	1	Instead of step 2 of the main scenario, the User clicks the "Reject" button	The System displays a form to the user. This form contains: • A free text field for the User to optionally enter a reason for rejecting • A "Proceed" button to confirm the action If the User does not want to proceed, a click anywhere outside the form closes the form.
	2	The User optionally enters a reason and clicks the "Proceed" button	The System generates a notification of type "Request to Assign Case Rejected" for the requesting User informing him about the decision.

UC_NC_06 Notification of type "Case Assigned"

Use Case ID:	UC_NC_06		
Use Case Name:	Notification of type "Case Assigned"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		

Description:	This use case describes how a User is notified about the fact that he/she was assigned to the case		
Trigger:	The system recalculates the case assignment following: 1. UC_CM_04 performed in the application by another User. OR 2. A new case has been created in the system by performing UC_CM_01. The User that created the case will receive the notification. OR 3. A new case has been created in the system as a result of receiving a starter SED. The Users assigned to the case will receive the notification. The User identifies the received notification of type "Case Assigned" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. Following the recalculation of the case assignment, the User is assigned to an ongoing case. 3. The System automatically generates a notification of type "Case Assigned" for the User. 4. The notification of type "Case Assigned" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is informed about his assignment to an ongoing case. All the future notifications related to the case will be received by the User.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "Case Assigned" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace. The description of the notification is: "User <USER_NAME> has assigned you to this case <Name> <Surname>"	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification in the notification grid: • "Local Case Id:" the "Local Id" of the case automatically created by the system • "Case Type": the "Sector" code and the case type of the new case. • "Assigned by": the username of the User that performed the assignment – when assignment is automatically done by the system, the displayed user is "system"

			• "Assignees": the list of users that are assigned to the case. Also, the User has available the "Actions" button. When clicked, the button displays the following available buttons: • "Open case" button: when clicked, it opens the "Case Management workspace" of the case • "Mark as unread" button: when clicked, it marks the notification as unread by displaying the notification name in bold and resetting the number of notifications in the header.
	2	The User clicks the "Open case" button.	The System opens the "Case Management" workspace window, displaying the case. The System displays the SEDs of the case in the list of SEDs of the case. The "Case Action Bar" and the actions available at SED level are updated by enabling all the available actions as per business logic and user's roles and assignment policies.

UC_NC_07 Notification of type "Case Unassigned"

Use Case ID:	UC_NC_07		
Use Case Name:	Notification of type "Case Unassigned"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact he/she was unassigned from an on-going case.		
Trigger:	UC_CM_04 The User identifies the received notification of type "Case Unassigned" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The User was previously assigned to the case.		

	3. The User loses his assignment rights as a consequence of change of policies combined with UC_CM_05 4. The notification of type "Case Unassigned" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is informed about his un-assignment to an ongoing case. All the future notifications related to the case will no longer be received by the user.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "Case Unassigned" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace. The description of the notification is: "User <USER_NAME> has unassigned you from this case"	The System marks the notification as read (the System changes the font of the date, type and description of the notification bold to un-bolded font). The System changes the details of the notification: "Local Case Id", the "Local Id" of the case automatically created by the system "Case Type", the "Sector" code and the case type of the new case. "Assigned by", the username of the User that generated the un-assignment. "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons: "Open case" button: when clicked, it will open the "Case Management workspace" of the case "Mark as unread" button
	2	The User clicks the "Open case" button.	The System opens the "Case Management" workspace, displaying the case. The System displays the SEDs of the case in the list of SEDs of the case, but no action is available. The "Case Action Bar" is updated by disabling all the available actions.

UC_NC_08 Notification of type Request to Assign Case Accepted

Use Case ID:	UC_NC_08		
Use Case Name:	Notification of type "Request to Assign Case Accepted"		
Created By:	Mihaela Manolache	Last Updated By:	

Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that his request to be assigned to a case has been accepted		
Trigger:	UC_NC_05 main scenario performed in the system The User identifies the received notification of type "Request to Assign Case Accepted" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. Another User has performed UC_NC_04 main scenario 3. The notification of type "Request to Assign Case Accepted" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is assigned to the case.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "Request to Assign Case Accepted" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace. The short description of the notification is: "<USER_NAME> has accepted your assignment request to case <LOCAL_CASE_ID> <Institution Id identifier>"	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: • "Local Case Id", the Local Id of the case automatically created by the system • "Case Type", the Sector code and the case type of the new case. • "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons: • "Open case" button: when clicked, it opens the "Case Management workspace" of the case • "Mark as unread" button
	2	The User clicks the "Open case" button.	The System opens the "Case Management" workspace, displaying the case. The System displays the SEDs of the case in the list of SEDs of the case. The "Case Action Bar" and the actions available at SED level are updated by enabling all the

		available actions as per business logic and user's roles and assignment policies.
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UC_NC_09 Notification of type Request to Assign Case Rejected

Use Case ID:	UC_NC_09		
Use Case Name:	Notification of type "Request to Assign Case Rejected"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that his request to be assigned to a case has been accepted		
Trigger:	UC_NC_05 alternative scenario performed in the system The User identifies the received notification of type "Request to Assign Case Unaccepted" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. Another User has performed UC_NC_04 main scenario. 3. The notification of type "Request to Assign Case Rejected" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is not assigned to the case.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "Request to Assign Case Unaccepted" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace. The short description of the notification is: "<USER_NAME> has rejected your assignment request to case <LOCAL_CASE_ID> <Institution Id identifier>"	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays details of the notification: • "Local Case Id", the Local Id of the case automatically created by the system • "Case Type", the Sector code and the case type of the new case. • "Reason", the entered reason by the User that rejected the request

		• "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons: • "Open case" button: when clicked, it opens the "Case Management workspace" of the case • "Mark as unread" button
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UC_NC_10 Notification of type "Your Alarm Expired"

Use Case ID:	UC_NC_10		
Use Case Name:	Notification of type "Your Alarm Expired"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that one of the alarms went off.		
Trigger:	UC_CM_08 or UC_CM_18 The User identifies the received notification of type "Your Alarm Expired" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The User is assigned to the case where the notification was set 3. The User previously performed UC_CM_08 or UC_CM_18 after sending a SED in the case. 4. The alarm goes off because it reaches the set date. 5. The notification of type "Your Alarm Expired" is configured from the Administrator Console to be available to the user.		
Post conditions:	The User is notified that the alarm went off.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "Your Alarm Expired" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace. The description of the notification is: "An internal	The System marks the notification marked as read (the System changes the font of the date, type and description of the notification from bold to un-bolded). The System displays the details of the notification:

	alarm expired for this case".	"Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the new case. "Reason", the reason entered by the user when setting up the alarm. "Assignees", the list of users that are assigned to the case. Also, the user has available the "Action" button- when clicked following action buttons are displayed: "Open case" button: when clicked, it will display the "Case Management workspace" of the case "Mark as unread" button
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UC_NC_11 Notification of type Approval for Sending Required for SED

Use Case ID:	UC_NC_11		
Use Case Name:	Notification of type "Approval for Sending Required for SED"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that another User has created a SED in a case he/she is assigned to and is requesting approval for sending the required SED.		
Trigger:	UC_CM_19 performed by another User in the system. The User identifies the received notification of type "Approval for Sending Required for SED" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1.The User is authenticated in RINA. 2. The User is assigned to the case where UC_CM_19 has been performed 3. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to perform assignment (Supervisor)		
Post conditions:	The User is notified about the creation of the SED and can access the SED and optionally send the SED.		

Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "Approval for Sending Required for SED" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace. The description of the notification is:" A SED was saved by User <USERNAME of UC_CM_19> that needs to be approved and sent <CASE SUBJECT>"	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the new case. "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons: "Open case" button: when clicked, it opens the "Case Management workspace" of the case "Mark as unread" button.
	2	The User clicks the "Open case" button.	The System opens the "Case Management" workspace window, displaying the case. The System displays the SEDs of the case in the list of SEDs of the case. For the SEDs in status "Draft", the user can perform the UC_CM_17 to send the SED. If the user does not want to send the SED, he/she can create a comment on SED level or on case level in order to inform the requesting user about his reasons.

UC_NC_12 Notification of type "Case Automatically Closed"

Use Case ID:	UC_NC_12		
Use Case Name:	Notification of type "Case Automatically Closed"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that a case he/she is assigned to has been automatically closed.		

Trigger:	1. The case was closed, following the forward of the case to another User by performing UC_CM_32 or 2. The case was closed, following the removal of the Tenant Institution by performing UC_CM_31 or 3. Another participant in the case has sent an X006/X007/X001 SED in the case in order to remove the Tenant Institution as participant in the case. The case was automatically closed.		
Preconditions:	1. The User is authenticated in RINA. 2. The User is assigned to the case the 3. The User has assigned a Case Policy or The User is part of a group that has assigned a Case Policy and has assigned a role that allows him to perform assignment (Supervisor) 4. The notification of type "Case Automatically Closed" is configured from the Administrator Console to be available to the clerk. The User identifies the received notification of type "Case Automatically Closed" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace,		
Post conditions:	The User is informed about the closure of the case.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "Case Automatically Closed" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace, The description of the notification is:" The case was closed following the removal of this institution from the case. <Name> <Surname>"	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the new case. "Assignees", the list of users that are assigned to the case. Also, the user has available the following action buttons: "Open case" button: when clicked, it will open the "Case Management workspace" of the case "Mark as unread" button.
	2	The User clicks the "Open case" button.	The System opens the "Case Management" workspace window, displaying the case. The System displays the SEDs of the case in the

		list of SEDs of the case. The only available action displayed in the "Case Action Bar" is "Archive".
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UC_NC_13 Notification of type "SED Delivered"

Use Case ID:	UC_NC_13		
Use Case Name:	Notification of type "SED Delivered"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that a SED was successfully delivered in a case where he/she is assigned to.		
Trigger:	A User assigned to the case has performed UC_CM_17 Send a SED. The notification is generated based on the acknowledgement receipt sent the National Application of the receiver Institution. The User identifies the received notification of type "SED Delivered" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace,		
Preconditions:	1.The User is authenticated in RINA. 2. The User is assigned to the case. 3. The SED was successfully delivered to one of the receivers. 4. The notification of type "SED Delivered" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is informed about the successful delivery of the SED.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "SED Delivered" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace, The description of the notification is:" The <SED Name> / <SED Code> SED was successfully delivered to <Institution Identifier>	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the new case. "Assignees", the list of users that are assigned to the case.

	<Name> <Surname>"	Also, the User has available the following action buttons: "Open case" button: when clicked, opens the "Case Management workspace" of the case "Mark as unread" button.
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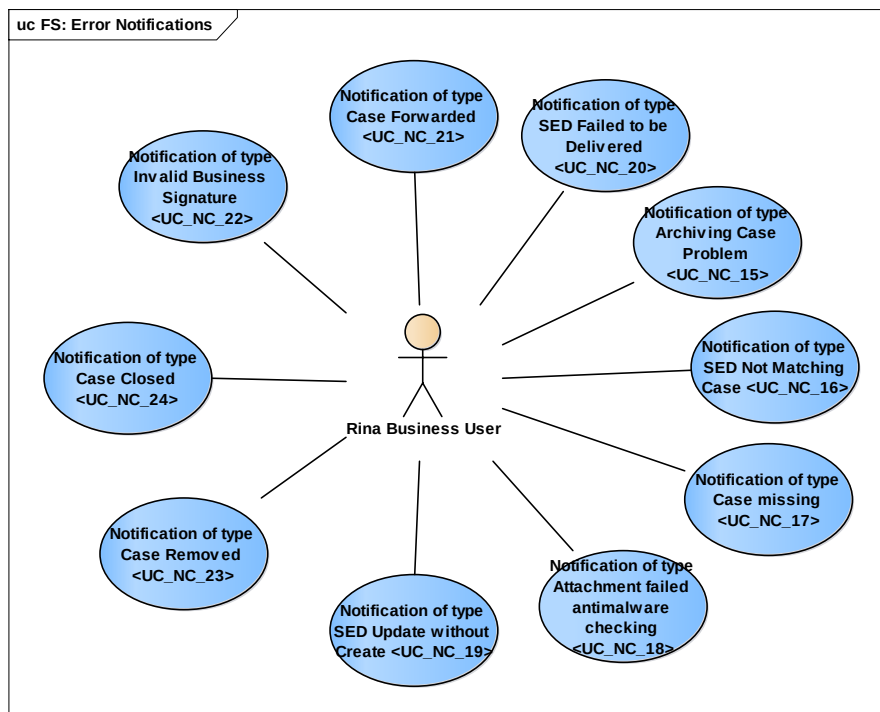
UC_NC_14 Notification of type CASE SEDs Automatically Sent to New Participant

Use Case ID:	UC_NC_14		
Use Case Name:	Notification of type "CASE SEDs Automatically Sent to New Participant"		
Created By:	Mihaela Manolache	Last Updated By:	
Date Created:	04.03.2020	Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that all the sent SEDs from a case he/she is assigned to have been sent to a new participant, following a Forward or an Add participant.		
Trigger:	1. An X007 SED was received in a case assigned to the User. The Tenant institution is neither the removed participant nor the new participant. As a consequence of receiving the X007 SED, all the SEDs from the case sent by the Tenant Institution are automatically sent to the new participant. The notification is generated to inform the User about this automatic sending action. - OR 2. An X005 SED was received in a case assigned to the User. The Tenant Institution is not the added participant. As a consequence of receiving the X005 SED, all the SEDs from the case sent by the Tenant Institution are automatically to the new participant. The notification is generated to inform the User about this automatic sending action. The User identifies the received notification of type "CASE SEDs Automatically Sent to New Participant" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The User is assigned to the case. 3. The notification of type "CASE SEDs Automatically Sent to New Participant" is configured from the Administrator Console to be available to the clerk"		
Post conditions:	The User is informed about the automatic send to the new participant of all his previously sent SEDs in the case		
Main Scenario:	#	Step actions	Expected Result

	1	The User identifies the received notification of type "CASE SEDs Automatically Sent to New Participant" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace. The description of the notification is: "Any relevant documents in this case have been automatically forwarded on your behalf."	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the new case. "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons: "Open case" button: when clicked, it will open the "Case Management workspace" of the case "Mark as unread" button.
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Error Notifications

5.2.5.1.7 Use case diagrams



5.2.5.1.8 Use Case View

UC_NC_15 Notification of type "Archiving Case Problem"

Use Case ID:	UC_NC_15		
Use Case Name:	Notification of type "Archiving Case Problem"		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that the archiving of a case failed.		
Trigger:	UC_CM_39 The User identifies the received notification of type "Archiving Case Problem" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace		
Preconditions:	1. The User is authenticated in RINA 2. The User is assigned to the case. 3. UC_CM_39 is performed in the system by any User assigned to the case. The use case enters on the exception flow. 4. The notification of type "Archiving Case Problem" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is informed about the failure of the archiving.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "Archiving Case Problem" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace.	The System marks the notification as read (the System changes the font of the date, type, and description of the notification from bold to un-bolded font). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the case. "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons: "Open case" button: when clicked, it opens the "Case Management workspace" of the case "Mark as unread" button.

UC_NC_16 Notification of type "SED Not Matching Case"

Use Case ID:	UC_NC_16		
Use Case Name:	Notification of type "SED Not Matching Case"		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how the User is informed about the fact that, in a case assigned to the User, a SED not matching the case has arrived. This type of notification is triggered by a received SED that could not be correctly assigned to an existing case in the system. This can happen, for example, when a received SED references a closed case or a forwarded case. When receiving this type of SED, the system checks that the international case id referenced in the SED corresponds to an existing local case in the system. If the case exists in the system but the SED cannot be assigned to the case due to the status of the case, this SED is kept in a queue for a 24hour waiting period. After this period, if the check is still not passed, the system: • removes the SED from the waiting queue • automatically generates a business exception X050 SED and sends it to the sender of the SED • automatically generates a notification for the users of the system of type SED not Matching Case. • automatically generates other relevant notifications for the User ("Case Forwarded", "Case Removed", "Case Closed", etc.)		
Trigger:	A new SED is received in the system. The User clicks the received notification of type "SED not Matching Case, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The User is assigned to the case. 3. A new SED is received in the system. 4. The received SED cannot be assigned to the case (because of the status of the case). The SED is kept in the pending queue, waiting for a new SED to correct the situation (for example a SED to reopen the case). 5. The waiting period (24hours) passed and no other SED to correct the situation has been received). 6. The notification of type SED Not Matching Case is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is informed about the received SED that could not be assigned to the case.		

Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the received notification of type "SED not Matching Case, in the "Notifications" workspace. The short description of the notification is: "The <Name of the SED> /<SED CODE> missing and cannot be found for case <Local Id> - SED not matching case."	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the case. "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons: "Open case" button: when clicked, it opens the "Case Management workspace" of the case. The received SED that triggered the notification are not visible in the case (only an administrator User has access to this SED from the Administrator console). "Mark as unread" button.

UC_NC_17 Notification of type "Case missing"

Use Case ID:	UC_NC_17		
Use Case Name:	Notification of type "Case missing"		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that a SED received in the system could not be assigned to any case. When receiving a non-starter SED, the system checks that the international case id referenced in the SED corresponds to an existing local case in the system. If it does not exist, this SED is kept in a queue for a 24hour waiting period. After this period, if the check is still not passed, the system: - removes the SED from the waiting queue. - automatically generates a business exception X050 SED and sends it to the sender of the SED		

	• automatically generates a notification for the users of the system		
Trigger:	A new SED is received in the system The user identifies the received notification of type "Case missing" and clicks on the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The SBDH case action of the received SED is different than Start and "StartForward". 3. 24 hours have passed since the receipt of the SED. 4. The international Id of the case referenced in the SED does not match any existing case in the system. 5. The notification of type "Case missing" is configured from the Administrator Console to be available to the clerk		
Post conditions:	The User is informed about the received SED that could not be assigned to any existing case.		
Main Scenario:	#	Step actions	Expected Result
	1	The user identifies the received notification of type "Case missing" and clicks on the expand notification button, represented with the ">" icon, in the "Notifications" workspace.	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the case. "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons: "Open case" button: when clicked, it opens the "Case Management workspace" of the case "Mark as unread" button.

UC_NC_18 Notification of type Attachment failed antimalware checking

Use Case ID:	UC_NC_18		
Use Case Name:	Notification of type "Attachment failed antimalware checking"		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	

Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that a SED received in the system has an attachment that failed the antimalware checks performed by the system. When receiving a SED with attachments, the system checks the attachment. If the checks are not passed, the system: • will automatically generate a business exception X050 SED and will send it to the sender of the SED • will automatically generate a notification for the users of the system		
Trigger:	A new SED is received in the system The User clicks on the received notification of type "Attachment failed antimalware checking.", in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. A new SED with attachments is received in the system, and the check of the attachment is not passed. 3. The User is assigned to the case referenced by the received SED. 4. The notification of type "Attachment failed antimalware checking" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is informed about the received SED that has an attachment that failed the system checks.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks on the received notification of type "Attachment failed antimalware checking.", in the "Notifications" workspace.	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the case. "Assignees", the list of users that are assigned to the case. Also, the user has available the following action buttons: "Open case" button: when clicked, it opens the "Case Management workspace" of the case "Mark as unread" button.

UC_NC_19 Notification of type "SED Update without Create"

Use Case ID:	UC_NC_19		
Use Case Name:	Notification of type "SED Update without Create"		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that a SED received in the system represents an update for a SED that does not exist in the system. When receiving a SED with case action "Update", the system will check that the version of the document to be updated (Related SetId) referenced in the received SED corresponds to a SED existing in the system. If it does not exist, this new received SED will be kept in a queue for a 24hour waiting period. After this period, if the check is still not passed, the system: • removes the SED from the waiting queue. • automatically generates a business exception X050 SED and sends it to the sender of the SED • automatically generates a notification for the users of the system		
Trigger:	A new SED is received in the system The User identifies the received notification of type "SED Update without Create" and clicks on the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. A new SED with case action "Update" is received in the system, and the "Related SetId" cannot identify any of the SEDs from the case. 3. The User is assigned to the case referenced by the received SED. 4. The notification of type "SED Update without Create" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is informed about the received update SED and the fact that the referenced SED to be updated is missing.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "SED Update without Create" and clicks on the expand notification button, represented with the ">" icon, in the "Notifications" workspace.	The System marks the notification as read (the System changes the font of the date, type, and description of the notification from bold to un-bolded font). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system

		"Case Type", the Sector code and the case type of the case. "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons: "Open case" button: when clicked, it opens the "Case Management workspace" of the case. The received SED is not available in the case. "Mark as unread" button.
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UC_NC_20 Notification of type "SED Failed to be Delivered"

Use Case ID:	UC_NC_20		
Use Case Name:	Notification of type "SED Failed to be Delivered"		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that a sent SED could not be delivered to one of his recipients. This type of notification is generated if: 1 The AP/receiving NA sent back an error receipt for the sent SED. 2 No receipt was received from the AP/receiving NA and the message expired as per retry policy rules (retry interval passed since the first attempt to send the SED). In any of the above situations, the system generates a notification to inform the user and activates the "Resend" action at SED level.		
Trigger:	1. Error receipt from AP/receiving NA or 2. Internally generated error receipt due to the lack of a received receipt. The user identifies the received notification of type "SED Failed to be Delivered" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The sent SED has an error receipt (from AP/receiving NA or locally generated) 3. The User is assigned to the case where the SED is sent. 4. The notification of type "SED Failed to be Delivered" is configured from the Administrator Console to be available to the clerk.		

Post conditions:	The User is informed about the fact that the SED failed to be delivered.		
Main Scenario:	#	Step actions	Expected Result
	1	The user identifies the received notification of type "SED Failed to be Delivered" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace. The description of the notification: "The <Name of the SED> /<SED CODE> Failed to be delivered to <INSTITUTION IDENTIFIER> <Name> <Surname>"	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the case. "Reason": The code of the error generated internally or at AP/receiving NA level and the error message. "Assignees:" the list of users that are assigned to the case. Also, the user has available the following action buttons: "Open case" button: when clicked, it opens the "Case Management workspace" of the case. The not delivered SED allows the Resend. (see Alternative flow 2 of UC_CM_17) "Mark as unread" button.

UC_NC_21 Notification of type "Case Forwarded"

Use Case ID:	UC_NC_21		
Use Case Name:	Notification of type "Case Forwarded"		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how the User is informed about the fact that, for a forwarded case, a new SED has arrived. When receiving a SED, the System checks that the international case id referenced in the SED corresponds to an existing local case in the System. If the case exists in the system but the case is no longer in		

	"Open" status because it was forwarded to another participant, this SED is kept in a queue for a 24hour waiting period. After this period, if the check is still not passed, the System: • removes the SED from the waiting queue. • automatically generates a business exception X050 SED and sends it to the sender of the SED • automatically generates a notification for the users of the system of type Case Forwarded.		
Trigger:	A new SED is received in the system. The User identifies the received notification of type "Case Forwarded" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace,		
Preconditions:	1. The "user" is authenticated in RINA. 2. The "user" is assigned to the case where a new SED is received 3. The case was forwarded to another participant 5. The waiting period (24hours) passed and no other SED to correct the situation has been received). 6. The notification of type "Case Forwarded" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is informed about a new received SED in a forwarded case		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "Case Forwarded" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace,	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the case. "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons: "Open case" button: when clicked, it opens the "Case Management workspace" of the case. The received SED is not displayed in the case. "Mark as unread" button.

UC_NC_22 Notification of type "Invalid Business Signature"

Use Case ID:	UC_NC_22
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Use Case Name:	Notification of type "Invalid Business Signature"		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that a received SED has an invalid business signature. When receiving a SED, the system checks if the business signature of the SED is valid. If the check fails, the system: • automatically generates a business exception X050 SED and sends it to the sender of the SED • automatically generate a notification for the users of the system This type of check is also performed at AP level, so the probability to receive a SED that fails this check is very low.		
Trigger:	A new SED is received. The User identifies the received notification of type "Invalid business signature" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace,		
Preconditions:	1. The User is authenticated in RINA. 2. The User is assigned to the case where the SED is received. 3. The received SED has an invalid business signature 4. The notification of type "SED in a Wrong Sequence" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is informed about the fact that a received SED has invalid business signature		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "Invalid business signature" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace,	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification are displayed: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the case. "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons:

			"Open case" button: when clicked, it opens the "Case Management workspace" of the case. The received SED is not displayed in the case. "Mark as unread" button.
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UC_NC_23 Notification of type "Case Removed"

Use Case ID:	UC_NC_23		
Use Case Name:	Notification of type "Case Removed"		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how the User is informed about the fact that, for a case where the institution was removed as participant, a new SED has arrived. When receiving a SED, the System checks that the international case id referenced in the SED corresponds to an existing local case in the System. If the case exists in the system but the case is no longer in "Open" status because the institution was removed as participant, this SED is kept in a queue for a 24hour waiting period. After this period, if the check is still not passed, the System: - removes the SED from the waiting queue. - automatically generates a business exception X050 SED and sends it to the sender of the SED - automatically generates a notification for the users of the system of type Case Removed.		
Trigger:	A new SED is received in the system. The User identifies the received notification of type "Case Removed" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The User is assigned to the case where a new SED is received 3. The case was removed from the institution 4. The waiting period (24hours) passed and no other SED to correct the situation has been received). 5. The notification of type "Case Removed" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is informed about a new received SED in a removed case.		

Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "Case Removed" and clicks on the expand notification button, represented with the ">" icon, in the "Notifications" workspace.	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the case. "Assignees", the list of users that are assigned to the case. Also, the user has available the following action buttons: "Open case" button: when clicked, it opens the "Case Management workspace" of the case. The received SED is not available in the case. "Mark as unread" button.

UC_NC_24 Notification of type "Case Closed"

Use Case ID:	UC_NC_24		
Use Case Name:	Notification of type "Case Closed"		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how the User is informed about the fact that, for a case that was globally closed, a new SED has arrived. When receiving a SED, the system checks that the international case id referenced in the SED corresponds to an existing local case in the system. If the case exists in the System but the case is in status Closed, this SED is kept in a queue for a 24hour waiting period. After this period, if the check is still not passed, the System: - removes the SED from the waiting queue. - automatically generates a business exception X050 SED and sends it to the sender of the SED - automatically generates a notification for the users of the system of type "Case Closed".		

Trigger:	A new SED is received in the system. The User identifies the received notification of type "Case Closed" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace,		
Preconditions:	1. The User is authenticated in RINA. 2. The User is assigned to the case where a new SED is received 3. The case has status "Closed" 4. The waiting period (24hours) passed and no other SED to correct the situation has been received). 5. The notification of type "Case Closed" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is informed about the received SED in a closed case		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "Case Closed" and clicks the expand notification button, represented with the ">" icon, in the "Notifications" workspace,	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the case. "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons: "Open case" button: when clicked, it opens the "Case Management workspace" of the case. The received SED is not available in the case. "Mark as unread" button.

UC_NC_25 Notification of type "SED in a wrong Sequence"

Use Case ID:	UC_NC_25		
Use Case Name:	Notification of type "SED in a wrong Sequence"		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	

Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User is notified about the fact that a received SED does not comply to the business order of the SEDs from a case. When receiving a SED, the System will check if this SED corresponds to the actual step of the case (as per business rules). If the check fails, is this SED will be kept in a queue for a 24hour waiting period. After this period, if the check is still not passed, the System: - removes the SED from the waiting queue- - automatically generates a business exception X050 SED and sends it to the sender of the SED - automatically generates a notification for the users of the system		
Trigger:	A new SED is received. The User identifies the received notification of type "SED in a Wrong Sequence" and clicks on the expand notification button, represented with the ">" icon, in the "Notifications" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The User is assigned to the case where the SED is received. 3. The received SED cannot be assigned to the case (because of the status of the case). The SED is kept in the pending queue, waiting for a new SED to correct the situation (for example a SED to reopen the case). 4. The waiting period (24hours) passed and no other SED to correct the situation has been received). 5. The notification of type "SED in a Wrong Sequence" is configured from the Administrator Console to be available to the clerk.		
Post conditions:	The User is informed about the fact that a received SED could not be assigned to the case because it does not respect the ordering business rules.		
Main Scenario:	#	Step actions	Expected Result
	1	The User identifies the received notification of type "SED in a Wrong Sequence" and clicks on the expand notification button, represented with the ">" icon, in the "Notifications" workspace.	The System marks the notification as read (the System changes the font of the date, type and description of the notification from bold to un-bolded font). The System displays the details of the notification: "Local Case Id", the Local Id of the case automatically created by the system "Case Type", the Sector code and the case type of the case. "Assignees", the list of users that are assigned to the case. Also, the User has available the following action buttons:

			"Open case" button: when clicked, it opens the "Case Management workspace" of the case. "Mark as unread" button.
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Field Details

No.	Item name	Type	Validation/ business rules
1	(Enter case id)	Free-text field	Entered text is validated against existing case ids
2	Magnifying glass icon	Button	Launches the search
3	X icon	Button	When clicked, empties the free text field and the results displayed in the "Search result" area
4	Filter	Icon	When clicked, displays form "Filter notifications by"
4.1	<i>Filter notifications by</i>	Form	
4.1.1	<i>Severity</i>	Checkbox field	Possible values: • Warning • Information • Error Multiple selections possible
4.1.2	<i>Recent</i>	Checkbox field	Possible values: • Unread • Read Multiple selections possible
4.1.3	<i>Type</i>	Checkbox field	Possible values: • Archiving Case Problem • Case SEDs Automatically Sent to New Participant • SED Not Matching Case • A New SED Arrived

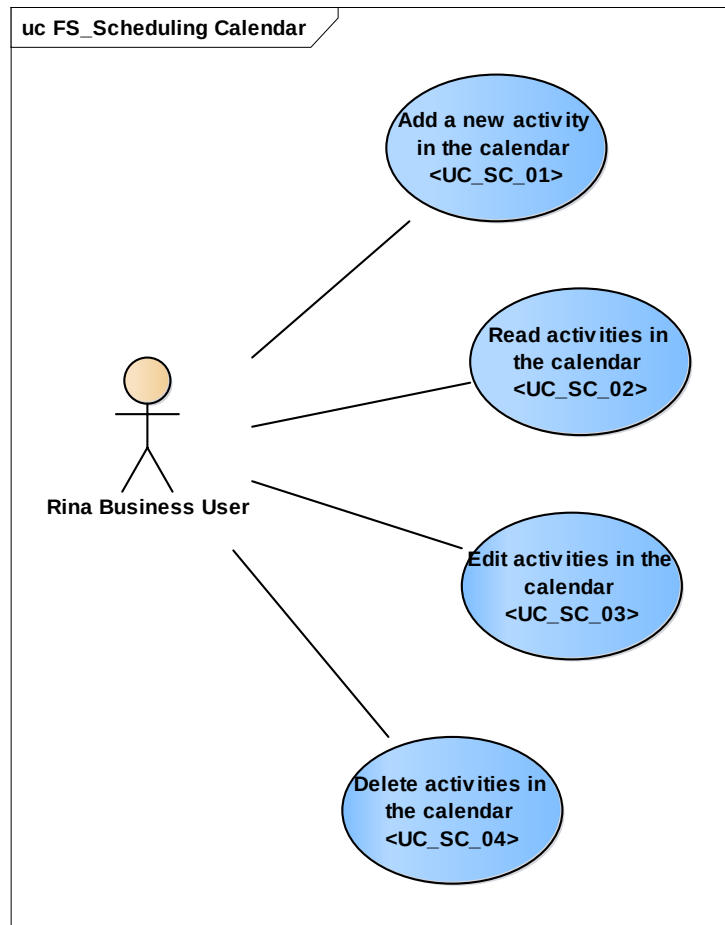
			• Case Missing • Case Assignment Exception • Attachment failed antimalware checking • Archiving Case Exception • SED Delivered • SED Update without Create • SED Failed to be Delivered • Case Automatically Closed • SED in Wrong Sequence • Case Forwarded • Approval for Sending Required for SED • Invalid Business Signature • Your Alarm Expired • Case Removed • Request to Assign Case • Request to Assign Case Rejected • Request to Assign Case Accepted • Unknown Cause • Case Unassigned • Case Assigned • An Updated SED Arrived • Case Closed • A New Case Arrived Multiple selections possible
5	<i>Notification display area</i>	Area	
5.1	<i>(Notifications)</i>	Grid	
5.1.1	<i>(Select all)</i>	Checkbox field	When clicked, all displayed notifications are

			selected, and "Mark as Read" and "Mark as Unread" buttons are enabled
5.1.2	<i>Date</i>	Button	When clicked, sorts displayed notifications by date
5.1.3	<i>Type</i>	Button	
5.1.4	<i>Description</i>	Column label	
5.1.5	<i>Actions</i>	Column label	
5.1.6	<i>(Notification)</i>	Row in the grid	
5.1.6.1	<i>(Select)</i>	Checkbox field	When clicked, the notification is selected, and "Mark as Read" and "Mark as Unread" buttons are enabled
5.1.6.2	<i>> icon</i>	Button	When clicked, displays notification details. The expanded fields are: Local case ID, Case Type, Assignees
5.1.6.3	<i>! icon and criticality matrix icon</i>		
5.1.6.4	<i>Actions</i>	Button	When clicked displays available action buttons
5.1.6.4.1	<i>Mark as Read/Mark as Unread</i>	Button	Depending on the current state of notification read or unread, the button for reversing the state is available
5.1.6.4.2	<i>Open Case</i>	Button	When clicked, checks permissions for user to access the case, and: - if allowed, navigates the user to the Case Management workspace

			- if not allowed, error message is displayed to the user
6	<i>Mark as Read</i>	Button	When clicked, the selected notification(s) is mark as read (the row is unselected, displayed not in Bold characters).
7	<i>Mark as Unread</i>	Button	When clicked, the selected notification(s) is mark as unread (the row is unselected, displayed in Bold characters).
8	<i>Total Records: (no. of records)</i>	Label	Shows number of notifications displayed in the grid
9	<i>"Pagination"</i>	Element	Shows number of pages

5.2.6 Scheduling Calendar

Use case diagrams



Use Case View

UC_SC_01 Add a new activity in the calendar

Use Case ID:	UC_SC_01		
Use Case Name:	Add a new activity in the calendar		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how the User can add a new activity in the calendar.		
Trigger:	The User clicks the "Calendar" button from "Main Menu"		
Preconditions:	1. The User is authenticated in RINA. 2. At least one case exists in the system.		

Post conditions:	A new activity is created in the Scheduling Calendar		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the "Calendar" button from "Main Menu"	The System displays the "Calendar" workspace to the user
	2	In the "Calendar" workspace, the User clicks the "New Activity" button	The System displays the "Calendar Activity" form, which is populated with the following fields: - a free text field, mandatory, labelled "Title*", where the User must enter the name of the activity - a calendar enabled field labelled "Date", where the User can select the date of the activity. This field has a default value displayed the current date - a free text field labelled "Message", where the User can enter a short description of the activity - a free text field, mandatory, labelled "Case ID*", where the User must enter a case identifier. - a checkbox field labelled "Repetition", if the User checks the field, 2 supplementary fields will be displayed: - o a field with list of values labelled "Every (days)" with possible values to be selected from 1 to 31 - o a field labelled "Occurrences" with default value 1, where the User can enter a numeric value that represents how many types the activity must be repeated in the calendar - a drop-down list labelled "Colors", where the User can select the color of the activity - "Reset" button, if clicked, it empties all filled in fields - "Save" button - "Back" button, to return the "Calendar" workspace

	3	The User fills in the needed fields and clicks the "Save" button	The System checks: - that the "Title*" field contains a value - that the Case ID* field contains a numerical value, and this value corresponds to an existing case in the system In case the checks are passed, the System creates a new activity in the database. The System closes the "Calendar Activity" form is closed, and the User is returned to the "Calendar" workspace The System displays message "Activity successfully saved" and the new activity is displayed in the Calendar. In case the user selects values for the Repetition fields, the appropriate number of activities are displayed in the calendar in the corresponding days.
Exception flow1		At step 2, the User does not supply a value for the "Title*" field and clicks on the "Save" button	The "Title*" field is colored in red and the System displays the warning message "This field is required"
Exception flow2		At step 2, the User does not supply a value for the "Case ID*" field and clicks the "Save" button	The "Case ID*" field is colored in red and the System displays a warning message "This field is required"
Exception flow3		At step 2, the User enters a numerical value for the "Case ID*" field that does not identify any case in the system and clicks the "Save" button	The System hides the "Calendar Activity form". The creation of the activity fails, and the System displays an error message to the user: "Error save activity: Error creating a new activity: Case not found"

UC_SC_02 Read activities in the calendar

Use Case ID:	UC_SC_02		
Use Case Name:	Read activities in the calendar		
Created By:		Last Updated By:	

Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can manage the activities from the scheduling calendar. A User is able: - to manage activities manually created with UC_SC_01 - to read activities automatically added by the System in the calendar (based on the Notifications generated by the System- also available in the Notifications)		
Trigger:	N/A The User clicks on an "Activity" entry from the "Calendar", in the "Calendar" workspace,		
Preconditions:	1. The User is authenticated in RINA. 2. At least one activity exists in the calendar.		
Post conditions:	The User is able to consult the activity details.		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks on an "Activity" entry from the "Calendar", in the "Calendar" workspace,	The System displays the "Calendar Activity Form" to the user with the fields displaying the values defined for that specific activity.

UC_SC_03 Edit activities in the calendar

Use Case ID:	UC_SC_03		
Use Case Name:	Edit activities in the calendar		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a User can edit a manually created activity from the scheduling calendar.		
Trigger:	UC_SC_02 The User clicks the activity he/she wants to edit, In "Calendar" workspace.		
Preconditions:	1. The User is authenticated in RINA. 2. The activity to be edited exists in the calendar.		

	3. The activity to be edited was created by the User with UC_SC_01		
Post conditions:	The changes performed by the User are saved in the System and displayed accordingly		
Main Scenario:	#	Step actions	Expected Result
	1	The User clicks the activity he/she wants to edit, In "Calendar" workspace.	The System displays "Calendar Activity" Form populated with fields related to chosen activity.
	2	The User changes any of the existing values of the fields of the activity and clicks the "Save" button	The System checks all the values of the activity fields (same as UC_SC_01). In case all checks are passed, the System saves all changes in the database. In case the User changes the Title, the Date or the Repetition, these changes are reflected in the calendar.

UC_SC_04 Delete activities in the calendar

Use Case ID:	UC_SC_04		
Use Case Name:	Delete activities in the calendar		
Created By:		Last Updated By:	
Date Created:		Last Revision Date:	
Actors:	All (Supervisor, Authorised Clerk, Un-Authorised Clerk, Auditor, Viewer, Medical User, VIP User)		
Description:	This use case describes how a user can delete a manually created activity from the scheduling calendar.		
Trigger:	UC_SC_02 The User has chosen an activity to be deleted, in the "Calendar" workspace.		
Preconditions:	1. The user is authenticated in RINA. 2. The activity to be edited exists in the calendar. 3. The activity to be edited was created by the user with UC_SC_01		
Post conditions:	The activity is deleted from the system.		
Main Scenario:	#	Step actions	Expected Result
	1	The User has chosen an activity to be deleted, in the "Calendar" workspace.	The System displays "Calendar Activity" form populated with fields related to chosen activity.

	2	The User clicks the "Delete" button.	The System displays the pop-up message "You are about to delete the following activity: Notification [information] for case." and the buttons: A "Yes" button, for confirming A "No" button, to abort the deletion
	3	The User clicks "Yes" button	The System deletes the activity from the server. The System closes the "Calendar Activity" form. The System updates the Calendar accordingly, and the activity button is no longer available.

Field Details

No.	Item name	Type	Validation/ business rules
1	<i>New activity</i>	Button	When clicked, it will display the Calendar Activity Form
1.1	<i>Calendar Activity Form</i>	Form	
1.1.1	<i>Title*</i>	Free-text field	Mandatory
1.1.2	<i>Date*</i>	Date field with calendar selector	Mandatory
1.1.3	<i>Message</i>	Free-text field	
1.1.4	<i>Case ID*</i>	Free-text field	Mandatory. Accepts only numerical values The entered value is checked against the list of cases stored in the system and must match an existing case.
1.1.5	<i>Color</i>	Drop-down list	Default: no value selected
1.1.6	<i>Repetition</i>	Checkbox field	Default not selected
1.1.7	<i>Every (days)</i>	Drop-down list	Enabled if Repetition field is checked. Possible values: from 1 to 31
1.1.8	<i>Occurrences</i>	Drop-down list	Enabled if Repetition field is checked. Default value: 1
1.1.9	<i>Reset</i>	Button	

1.1.1 0	<i>Save</i>	Button	Enabled when creating or editing a notification
1.1.1 1	<i>Back</i>	Button	When clicked, navigates back to the Calendar workspace
2	<i>Calendar</i>	Area	
2.1	<i>(Activity identifier)</i>	Button	One for each activity present in the calendar. When clicked, displays the Calendar Activity Form
3	<i>Previous</i>	Button	When clicked, it displays in the Calendar area the previous month
4	<i>Next</i>	Button	When clicked, displays in the Calendar area the next month
5	<i>Today</i>	Button	When clicked, it displays in the Calendar area the current date in focus
6	<i>Refresh</i>	Button	When clicked, the system will refresh the page