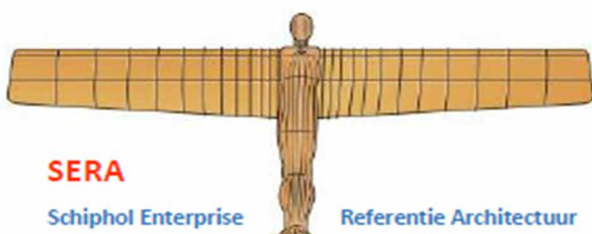


# SERA - Report

## Event

Version: 4.1.2 • Definite



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Author: Peter Kanbier

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## Documentation Control

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Changes (this version)	See yellow highlighted tekst
Changes (previous versions)	See green highlighted tekst

## Model Documentation

This document provides a complete overview of all element details. For simpler and more focused reports, simply copy this initial template and turn off the sections not required.

### 1.1 Event

Alias:

Definition

#### ERD - Events - (Application Layer diagram)

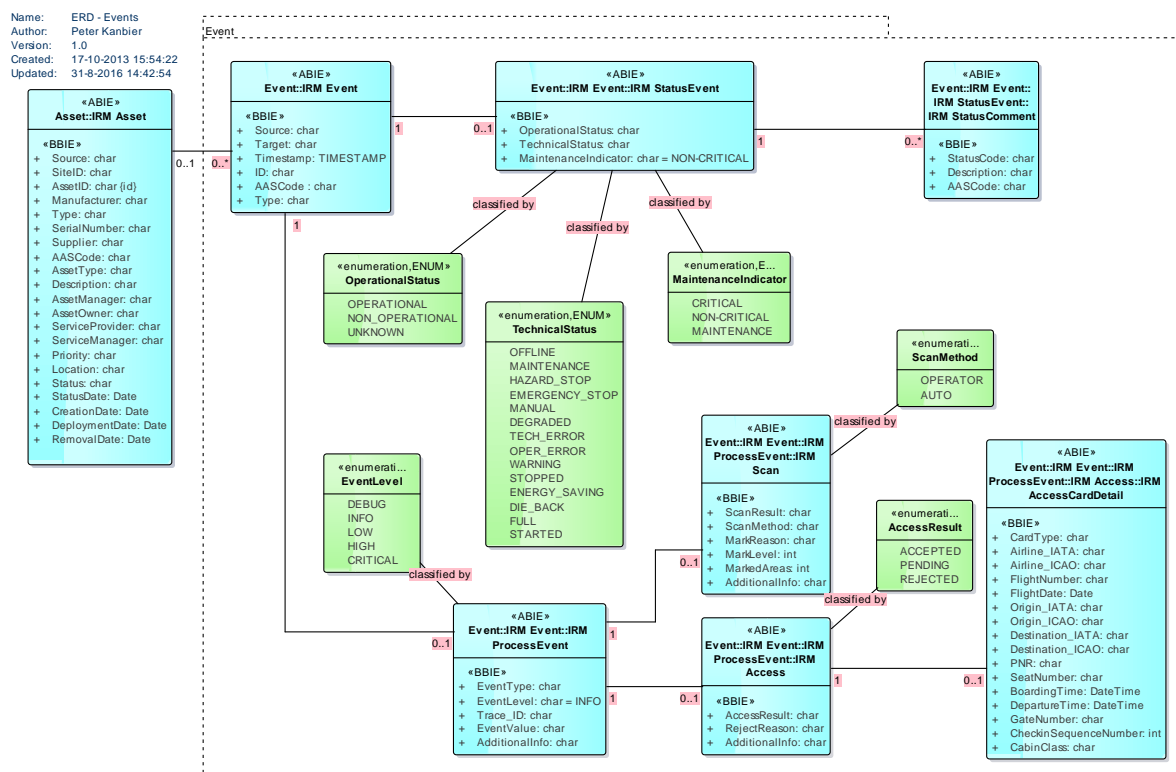


Figure: 1

#### 1.1.1 Event

Alias:

Definition

##### 1.1.1.1 IRM Event

Alias:

Definition

Interaction Reference Model definition for "EVENT".

Changes:

- Archimate Data-Object -> UML Class.
- Enumerations

#### Attributes

Attribute	Notes	Values
<b>Source</b>  <u>Alias:</u> Aanleverende omgeving	Source system	Type: char Field: Mandatory Length: [3 - 35] Default:
<b>Target</b>  <u>Alias:</u>	Target system. Specific system to which the event data must be delivered.	Type: char Length: [3 - 35] Default:
<b>Timestamp</b>  <u>Alias:</u> Aanmaakdatum/tijd	Date and Time of the event. <b>Note: DateTime value is based on the locale Schiphol datatime.</b>	Type: TIMESTAMP Field: Mandatory Format: "JJJJ-MM-DDThh:mm:ss" Default:
<b>ID</b>  <u>Alias:</u> Asset identificatie	Unique (Schiphol) identifier of the object/CI which triggers the event.	Type: char Field: Mandatory Length: [1 -50] Default:
<b>AASCode</b>  <u>Alias:</u> Logische Assetcode	Logical (Schiphol) code of the object/CI which triggers the event.	Type: char Field: Mandatory Length: [3 -50] Default:
<b>Type</b>  <u>Alias:</u>	Logical classification of the object/CI. I.e. Lift.	Type: char Length: [1 -50] Default:

#### 1.1.1.1.1 IRM StatusEvent

Alias:

Definition

#### Attributes

Attribute	Notes	Values
<b>OperationalStatus</b>  <u>Alias:</u>	Real-time operationalstatus.	Type: char Field: Mandatory Default:

Attribute	Notes	Values
<b>TechnicalStatus</b> <u>Alias:</u> Status	Real-time technicalstatus.	Type: char Field: Mandatory Default:
<b>MaintenanceIndicator</b> <u>Alias:</u> Gevolgen indien gestoord	Maintenance priority.	Type: char Default: NON-CRITICAL

#### 1.1.1.1.1.1 IRM StatusComment

Alias:  
Definition

##### Attributes

Attribute	Notes	Values
<b>StatusCode</b> <u>Alias:</u>	Specific status code, for example, an error code for easy fault diagnosis.	Type: char Length: [3 - 35] Default:
<b>Description</b> <u>Alias:</u>	Detailed (sub)reason/specification for (asset)status / event.	Type: char Length: [3 - 255] Default:
<b>AASCode</b> <u>Alias:</u>	Code of the (sub)component within the object/CI which triggers the event. (Change of status)	Type: char Length: [3 -50] Default:

#### 1.1.1.1.2 IRM ProcessEvent

Alias:  
Definition

##### Attributes

Attribute	Notes	Values
<b>EventType</b> <u>Alias:</u> Event type	Type of event. Can be one of the following values (Possible values, but is not limited to this list): <ul style="list-style-type: none"> <li>• ERROR,</li> <li>• START_CALIBRATION,</li> <li>• END_CALIBRATION,</li> </ul>	Type: char Field: Mandatory Length: [1 - 50] Default:

Attribute	Notes	Values
	<ul style="list-style-type: none"> <li>• PAX_SCANNED,</li> <li>• PAX_EXAMINED,</li> <li>• BAG_SCANNED,</li> <li>• LAG_SCANNED,</li> <li>• ACCESS,</li> <li>• PRIVIUM_CARD_READ_ERROR,</li> <li>• BOARDING_PASS_READ,</li> <li>• BOARDING_PASS_READ_ERROR,</li> <li>• BOARDING_PASS_ACCEPTED,</li> <li>• BOARDING_PASS_REJECTED,</li> <li>• BUFFER_ENTRANCE_GATE_AUTO_OPENED,</li> <li>• BUFFER_ENTRANCE_GATE_MANUALLY_OPENED,</li> <li>• BUFFER_ENTRANCE_GATE_PERSON_IN,</li> <li>• BUFFER_ENTRANCE_GATE_PERSON_OUT,</li> <li>• BUFFER_ENTRANCE_GATE_CLOSED,</li> <li>• TRACKING,</li> <li>• READ,</li> </ul> <p>===== (In additional info) =====</p> <ul style="list-style-type: none"> <li>• PAX###004IA (rijden interlock aanwezig)</li> <li>• PAX###004IB (rijden interlock aanwezig)</li> <li>• PAX###006 (brug)</li> <li>• PAX###006IA (rijden bedrijf)</li> <li>• PAX###006IB (rijden bedrijf)</li> <li>• PAX###009 (brug)</li> <li>• PAX###009JA (algemeen interlock vdgs)</li> <li>• PAX###011IA (rijden mode hand)</li> <li>• PAX###011IB (rijden mode hand)</li> <li>• PAX###011JA (algemeen mode hand)</li> <li>• PAX###011JB (algemeen mode hand)</li> <li>• PAX###012JA (algemeen mode auto)</li> <li>• PAX###012JB (algemeen mode auto)</li> <li>• PAX###013IA (rijden mode auto)</li> <li>• PAX###013IB (rijden mode auto)</li> <li>• PAX###018JA (algemeen mode automatisch parkeren)</li> <li>• PAX###018JB (algemeen mode automatisch parkeren)</li> <li>• PAX###055 (operationeel)</li> <li>• PAX###091 (status brug)</li> </ul> <p>Let op: DEZE LIJST MOET NOG GESCHOOND WORDEN. d.m.v. RFC</p> <p>=====</p> <ul style="list-style-type: none"> <li>• ...</li> </ul>	

Attribute	Notes	Values
<b>EventLevel</b>  <u>Alias:</u> Ernst van het event op de operatie	Event level indicating the level of severity or importance.  With this id it is possible to cluster al relevant ProcessEvents.	Type: char Field: Mandatory Default: INFO
<b>Trace_ID</b>  <u>Alias:</u>	Unique trace id for the object (i.e. passenger, bag) that triggers the ProcessEvent. With this id it is possible to cluster al relevant ProcessEvents.	Type: char Length: [1 - 100] Default:
<b>EventValue</b>  <u>Alias:</u> Resultaat van event	Value (result) of the event. Possible value depends on type of event. Can be one of the following values (Possible values, but is not limited to this list): <ul style="list-style-type: none"> <li>ERROR (Error code that uniquely identifies the type of error for this type of system)</li> <li>READ (Value read from the tag (e.g. the barcode of the RFID tag))</li> <li>TRACKING (Detailed specification of the type of tracking event. Possible values: ENTER, EXIT, TRACE, MISSING, UFO, DISPENSED)</li> <li>.....</li> </ul> <p>===== In additional info =====</p> <ul style="list-style-type: none"> <li>rijden interlock aanwezig Possible values with this type: 0,1 (inactief, actief)</li> <li>brug Possible values with this type: 0,1 (paraat, in bedrijf)</li> <li>rijden bedrijf Possible values with this type: 0,1,2,3,4,5,6,7,8,9 (paraat, in bedrijf, buiten dienst, onbelast, gestoord, signalering defect)</li> <li>PAX###009 (brug) Possible values with this type: 0,1 (niet aangesloten, aangesloten)</li> <li>algemeen interlock vdgs Possible values with this type: 0,1 (inactief, actief)</li> <li>rijden mode hand Possible values with this type: 0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15 (uit, aan, aan, knipperen, onbekend, ....., onbekend)</li> <li>algemeen mode hand Possible values with this type: 0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15 (uit, aan, aan, knipperen, onbekend, ....., onbekend)</li> <li>algemeen mode auto Possible values with this type: 0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15 (uit, aan, aan, knipperen, onbekend, ....., onbekend)</li> <li>rijden mode auto</li> </ul>	Type: char Length: [1 - 255] Default:



Attribute	Notes	Values
	<p>Possible values with this type: 0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15 (uit, aan, aan, knippen, onbekend, ....., onbekend)</p> <ul style="list-style-type: none"> <li>algemeen mode automatisch parkeren</li> </ul> <p>Possible values with this type: 0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15 (uit, aan, aan, knippen, onbekend, ....., onbekend)</p> <ul style="list-style-type: none"> <li>operationeel</li> </ul> <p>Possible values with this type: 0,1 (in orde, gestoord)</p> <ul style="list-style-type: none"> <li>status brug</li> </ul> <p>Possible values with this type: 0,1,2,3,4,5,9 (paraat, operationeel gestoord, technisch gestoord, operationeel en technisch gestoord, in bedrijf, in test, signalering defect)</p> <p>=====</p>	
<b>AdditionalInfo</b>  <u>Alias:</u>	Additional event information (free text)	Type: char Length: [0 - 255] Default:

#### 1.1.1.1.2.1 IRM Access

##### Alias:

##### Definition

Standard data structure for exchanging information of a process **access** occurrences / event (detected by assets, i.e. ID reader), to other systems.

##### Attributes

Attribute	Notes	Values
<b>AccessResult</b>  <u>Alias:</u>	State of a read boarding pass	Type: char Field: Mandatory Default:
<b>RejectReason</b>  <u>Alias:</u>	Contains the reason why a "Card" was rejected.	Type: char Length: [1 - 255] Default:
<b>AdditionalInfo</b>  <u>Alias:</u>	Additional event information (free text)	Type: char Length: [0 - 255] Default:

#### 1.1.1.1.2.1.1 IRM AccessCardDetail

##### Alias:

##### Definition

Standard data structure for exchanging information (based on the use AccessCard) of a process **access** occurrences /

event (detected by assets, i.e. ID reader), to other systems.  
This information is optional for IRM Access.

### Attributes

Attribute	Notes	Values
<b>CardType</b>  <u>Alias:</u> Type identificatie	Card type used for access. Can be one of the following values (Possible values, but is not limited to this list): <ul style="list-style-type: none"> <li>• PRIVIUM_CARD,</li> <li>• BOARDING_PASS,</li> <li>• SPECIAL_TOKEN,</li> <li>• ...</li> </ul>	Type: char Field: Mandatory Length: [1-25] Default:
<b>Airline_IATA</b>  <u>Alias:</u>	IATA prefix (2 or 3 letter code) of the airline. i.e. "KL" or "U2"	Type: char Length: [2 - 3] Default:
<b>Airline_ICAO</b>  <u>Alias:</u>	ICAO prefix (3 letter code) of the airline. i.e. "KLM" or "EZY"	Type: char Length: [3 - 3] Default:
<b>FlightNumber</b>  <u>Alias:</u>	Number of the flight. i.e. "5103", "0040" or "40". Note flight "0040" and "40" are different flights.	Type: char Length: [1 - 4] Default:
<b>FlightDate</b>  <u>Alias:</u>	Scheduled date of the flight.	Type: Date Format: "YYYY-MM-DD" Default:
<b>Origin_IATA</b>  <u>Alias:</u>	IATA airport origin code (3 letter code). i.e. "AMS" or "LHR"	Type: char Length: [3 - 3] Default:
<b>Origin_ICAO</b>  <u>Alias:</u>	ICAO airport origin code (4 letter code). i.e. "EHAM" or "EGLL"	Type: char Length: [4 - 4] Default:
<b>Destination_IATA</b>  <u>Alias:</u>	IATA airport destination code (3 letter code). i.e. "AMS" or "LHR"	Type: char Length: [3 - 3] Default:

Attribute	Notes	Values
<b>Destination_ICAO</b> <a href="#">Alias:</a>	ICAO airport destination code (4 letter code). i.e. "EHAM" or "EGLL"	Type: char Length: [4 - 4] Default:
<b>PNR</b> <a href="#">Alias:</a>	Passenger Name Record	Type: char Length: [1 - 25] Default:
<b>SeatNumber</b> <a href="#">Alias:</a>		Type: char Field: [3 -3] Format: "99X" Default:
<b>BoardingTime</b> <a href="#">Alias:</a>	Boarding time of the flight. xs:datetime standard conform W3C	Type: DateTime Format: "JJJJ-MM-DDThh:mm:ss" Default:
<b>DepartureTime</b> <a href="#">Alias:</a>	Departure time of the flight. xs:datetime standard conform W3C	Type: DateTime Format: "JJJJ-MM-DDThh:mm:ss" Default:
<b>GateNumber</b> <a href="#">Alias:</a>	Gate number of the flight	Type: char Length: [0 - 3] Default:
<b>CheckinSequenceNumber</b> <a href="#">Alias:</a>	Sequence number of the boarding pass as determined at check in.	Type: int Length: [1 - 15] Default:
<b>CabinClass</b> <a href="#">Alias:</a>	Determines the cabin class of the passenger. Can be one of the following values (Possible values, but is not limited to this list): <ul style="list-style-type: none"> <li>• Y,</li> <li>• C,</li> <li>• F,</li> <li>• ...</li> </ul>	Type: char Length: [1 - 5] Default:

#### 1.1.1.1.2.2 IRM Scan

[Alias:](#)

[Definition](#)

Standard data structure for exchanging information of a process **scan** occurrences / events (detected by assets, i.e.

baggage scanner, X-ray, RXA or security scanner), to other systems.

### Attributes

Attribute	Notes	Values
<b>ScanResult</b> <u>Alias:</u> Resultaat van het scan event	Result of a scan action. Can be one of the following values (Possible values, but is not limited to this list): <ul style="list-style-type: none"> <li>• CLEAR,</li> <li>• NOT_CLEAR,</li> <li>• MARKED,</li> <li>• PENDING,</li> <li>• TIMEOUT.</li> <li>• ...</li> </ul>	Type: char Field: Mandatory Length: [1-25] Default:
<b>ScanMethod</b> <u>Alias:</u> Manier van scannen	The method of scanning.	Type: char Default:
<b>MarkReason</b> <u>Alias:</u>	Reason why the item is marked. Can be one of the following values (Possible values, but is not limited to this list): <ul style="list-style-type: none"> <li>· RXA,</li> <li>· LAG,</li> <li>· AB,</li> <li>· TIMEOUT,</li> <li>· ERROR,</li> <li>· ...</li> </ul>	Type: char Length: [1 - 10] Default:
<b>MarkLevel</b> <u>Alias:</u> Aantal verdachte gebieden	The level of marked regions	Type: int Length: [1 - 2] Default:
<b>MarkedAreas</b> <u>Alias:</u> Aantal verdachte objecten	Number of marked areas	Type: int Length: [1 - 2] Default:
<b>AdditionalInfo</b> <u>Alias:</u>	Additional event information (free text)	Type: char Length: [0 - 255] Default:

### 1.1.1.2 AccessResult

Alias:

Definition

Attributes

Attribute	Notes	Values
ACCEPTED		Type: Default:
<u>Alias:</u>		
PENDING		Type: Default:
<u>Alias:</u>		
REJECTED		Type: Default:
<u>Alias:</u>		

### 1.1.1.3 EventLevel

Alias:

Definition

Attributes

Attribute	Notes	Values
DEBUG		Type: Default:
<u>Alias:</u>		
INFO		Type: Default:
<u>Alias:</u>		
LOW		Type: Default:
<u>Alias:</u>		

Attribute	Notes	Values
<b>HIGH</b> <u>Alias:</u>		Type: Default:
<b>CRITICAL</b> <u>Alias:</u>		Type: Default:

#### 1.1.1.4 MaintenanceIndicator

Alias:

Definition

Attributes

Attribute	Notes	Values
<b>CRITICAL</b> <u>Alias:</u>		Type: Default:
<b>NON-CRITICAL</b> <u>Alias:</u>		Type: Default:
<b>MAINTENANCE</b> <u>Alias:</u>		Type: Default:

#### 1.1.1.5 OperationalStatus

Alias:

Definition

Attributes

Attribute	Notes	Values
<b>OPERATIONAL</b> <u>Alias:</u>	Object/CI can be used	Type: Default:

Attribute	Notes	Values
<b>NON_OPERATIONAL</b> <a href="#">Alias:</a>	Object/CI cannot be used	Type: Default:
<b>UNKNOWN</b> <a href="#">Alias:</a>	No signals available.	Type: Default:

#### 1.1.1.6 ScanMethod

[Alias:](#)

[Definition](#)

[Attributes](#)

Attribute	Notes	Values
<b>OPERATOR</b> <a href="#">Alias:</a>		Type: Default:
<b>AUTO</b> <a href="#">Alias:</a>		Type: Default:

#### 1.1.1.7 TechnicalStatus

[Alias:](#)

[Definition](#)

[Attributes](#)

Attribute	Notes	Values
<b>OFFLINE</b> <a href="#">Alias:</a>	The component is not reachable, no information is available. (N) Example: The component is disconnected from the network or it has not been powered-on.	Type: Default:
<b>MAINTENANCE</b> <a href="#">Alias:</a>	The component has been put into maintenance mode by an operator. (N)	Type: Default:

Attribute	Notes	Values
<b>HAZARD_STOP</b> <a href="#"><u>Alias:</u></a>	HAZARD_STOP - The component is (partially) stopped because a hazardous item has been detected. (N) Example: Stop-the-check has been triggered on a security lane	Type: Default:
<b>EMERGENCY_STOP</b> <a href="#"><u>Alias:</u></a>	The component has been stopped because of safety reasons. (N) Example: An emergency stop button has been pressed or a fire alarm has been tripped.	Type: Default:
<b>MANUAL</b> <a href="#"><u>Alias:</u></a>	The component has been put into manual operation by a user. The component is no longer executing its normal automated functions. (N) Example: Manual override of a motor control, maintenance, free-passage mode of the SSBPC	Type: Default:
<b>DEGRADED</b> <a href="#"><u>Alias:</u></a>	DEGRADED - The component has been put into degraded operation. The component is executing automated functions but some features/functions are not available. (Y)	Type: Default:
<b>TECH_ERROR</b> <a href="#"><u>Alias:</u></a>	The component has detected a fault that inhibits the component to continue with the execution of his functions. Manual intervention by a technician is required. (N)	Type: Default:
<b>OPER_ERROR</b> <a href="#"><u>Alias:</u></a>	The component has detected a fault that inhibits the component to continue with the execution of his functions. Manual intervention by an operator/user is required. (N)	Type: Default:
<b>WARNING</b> <a href="#"><u>Alias:</u></a>	The component has detected a deviation that could lead to abnormal behavior.	Type: Default:
<b>STOPPED</b> <a href="#"><u>Alias:</u></a>	The component has been stopped by an operator. The component is available for operation but it requires a start command by an operator. (Y)	Type: Default:
<b>ENERGY_SAVING</b> <a href="#"><u>Alias:</u></a>	The component has been started and is available for operation but due to a lack of load it has temporary turned off some device in order to save energy. (Y)	Type: Default:
<b>DIE_BACK</b> <a href="#"><u>Alias:</u></a>	The component is ready for operation and is occupied with a product but it can't continue because a downstream component is not ready to receive the product held by this component. (Y)	Type: Default:



Attribute	Notes	Values
<b>FULL</b> <a href="#"><u>Alias:</u></a>	The component is completely occupied with products. (Y)	Type: Default:
<b>STARTED</b> <a href="#"><u>Alias:</u></a>		Type: Default: