



monotch

SMART MOBILITY PLATFORMS

PBC-PRIORITY-RULES legacy mappings v1.0.0

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1 Versioning

This document is using a versioning scheme that indicates the version of the legacy to Priority Rules mappings and tracks the revisions of this document. This version scheme is <specification version major>.<specification version minor>.<document revision>. The first two version numbers (major and minor) indicate the version of the mappings and only change when there is technical change in the described specification. Major version is only bumped when there is compatibility breaking change. Minor version is bumped on trivial, non breaking changes of the mappings. The last version number indicates the revision of this document.

Version	Date	Author	Changes
1.0.0	06 Nov 2020	Leander Rijneveld	Initial mappings

2 Referenced documents

ID	Reference	Version	Date
[1]	PBC-PRIORITY-RULES	1.1.0	06 Nov 2020

3 Introduction

This document describes how the priority rules from the legacy system are converted into the Priority Rules data model as described in “PBC-PRIORITY-RULES” (see [1]). The primary goal of this document is to make sure that consumers of the legacy format will correctly interpret the same rules (after conversion).

4 Mapping

The following table describes the mapping between the legacy CSV field and the PBC data model field.

Legacy CSV field	Priority Rule data model mapping (see [1])	Value transformation
RoadRegulatorID	roadRegulatorId	-
IntersectionID	intersectionId	-
PrioregelID	 Not available/migrated	
-	priorityId	The priorityId will be regenerated starting at 1 (for each intersection), using a descending sorting by “Prioriteitsklasse” for the legacy rules.  Effectively this means that the highest priorityClass rules have precedent over lower priorityClass rules when applying the evaluation of the rules as described in “PBC-PRIORITY-RULES” (see [1])
SignaalgroepID	Criterion of type INTERSECTION_SIGNAL_GROUP with EQUAL	-
Minimum snelheid	Criterion of type VEHICLE_SPEED with GREATER_THAN_OR_EQUAL	 When the original value is zero (“0”); no criterion will be created
Maximum snelheid	Criterion of type VEHICLE_SPEED with LESS_THAN_OR_EQUAL	 When the original value is zero (“0”); no criterion will be created
PrioDienst	 Not available/migrated	

Legacy CSV field	Priority Rule data model mapping (see [1])	Value transformation
VoertuigPrioType	Criterion of type VEHICLE_ETSI_ROLE with EQUAL Criterion of type VEHICLE_ETSI_SUB_ROLE with EQUAL	See transformations chapter
Controle middel	See transformations chapter	
Conditie		
Waarde		
Eenheid	 Not available/migrated	
Prioriteitsklasse	priorityClass	-

4.1 Transformations

4.1.1 VoertuigPrioType

The field “VoertuigPrioType” is transformed into a VEHICLE_ETSI_ROLE criterion and optionally a VEHICLE_ETSI_SUB_ROLE criterion. The following table illustrates how each distinct value is transformed:

Legacy value	VEHICLE_ETSI_ROLE	VEHICLE_ETSI_SUB_ROLE
ambulance	EMERGENCY_6	
brandweer	EMERGENCY_6	
bus	PUBLIC_TRANSPORT_1	SUB_ROLE_1 (Dutch Profile “bus”)
HOV lijn	PUBLIC_TRANSPORT_1	SUB_ROLE_9 (Dutch Profile “HOV-lijn”)
materiaalrit	PUBLIC_TRANSPORT_1	SUB_ROLE_10 (Dutch Profile “materiaalrit”)
politie	EMERGENCY_6	
tram	PUBLIC_TRANSPORT_1	SUB_ROLE_2 (Dutch Profile “tram”)
uitzonderlijke vracht	SPECIAL_TRANSPORT_2	
vracht	COMMERCIAL_9	
vracht met gevaarlijke goederen	DANGEROUS_GOODS_3	
weginspecteur	ROAD_OPERATOR_11	

4.1.2 Controle middel

The “Controle middel”, “Conditie” and “Waarde” fields are transformed into one or more criterions (using “Conditie” as comparator and “Waarde” as value). The following table illustrates how each distinct value is transformed:

Legacy “Controle middel”	Criterions	Value transformation
bezorging	FREIGHT_DELIVERY	-
blauw/sirene	VEHICLE_EMERGENCY_LIGHTS VEHICLE_EMERGENCY_SIRENS	-
deltaDienstregeling	PUBLIC_TRANSPORT_SCHEDULE_DELTA	/ 60 (conversion from seconds to minutes)
geen	 No criterion created (not migrated / available)	
gevaarlijke stoffen	FREIGHT_DANGEROUS_GOODS	-
lijnummer	PUBLIC_TRANSPORT_LINE_NR	-
patient aan boord	AMBULANCE_WITH_PATIENT	-
voertuigdienst	 No criterion created (not migrated / available)	
zware vracht	FREIGHT_HEAVY	-