

General transport



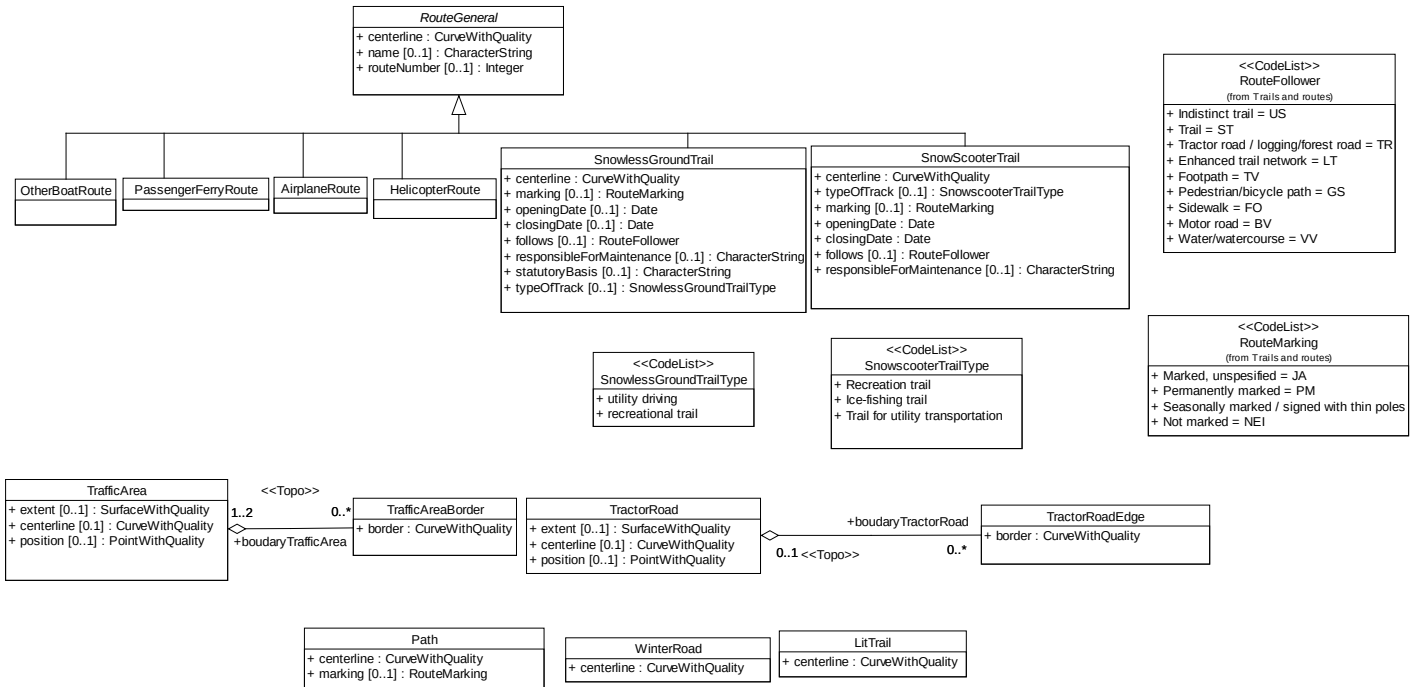
Norwegian Mapping Authority
gerd.mardal@statkart.no

Table of contents

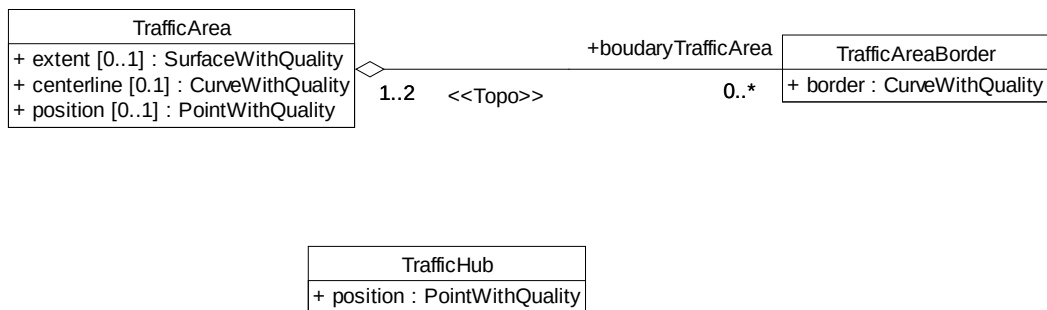
1.1	Application schema	3
1.2	Description	6
1.1.1	TrafficAreaBorder	6
1.1.2	TrafficArea	6
1.1.3	Path	6
1.1.4	TractorRoad	6
1.1.5	TractorRoadEdge	7
1.1.6	WinterRoad	7
1.1.7	OtherBoatRoute	7
1.1.8	PassengerFerryRoute	7
1.1.9	AirplaneRoute	8
1.1.10	HelicopterRoute	8
1.1.11	SnowScooterTrail	8
1.1.12	RouteGeneral	9
1.1.13	SnowlessGroundTrail	9
1.1.14	LitTrail	10
1.1.15	TrafficHub	10
1.1.16	Association <<Topo>> TractorRoad-TractorRoadEdge	10
1.1.17	Association <<Topo>> TrafficArea-TrafficAreaBorder	10
1.1.18	Association <<Topo>> TractorRoad-VergeFictitious	11
1.1.18.1	<<CodeList>> SnowscooterTrailType	12
1.1.18.2	<<CodeList>> SnowlessGroundTrailType	12

1.1 Application schema

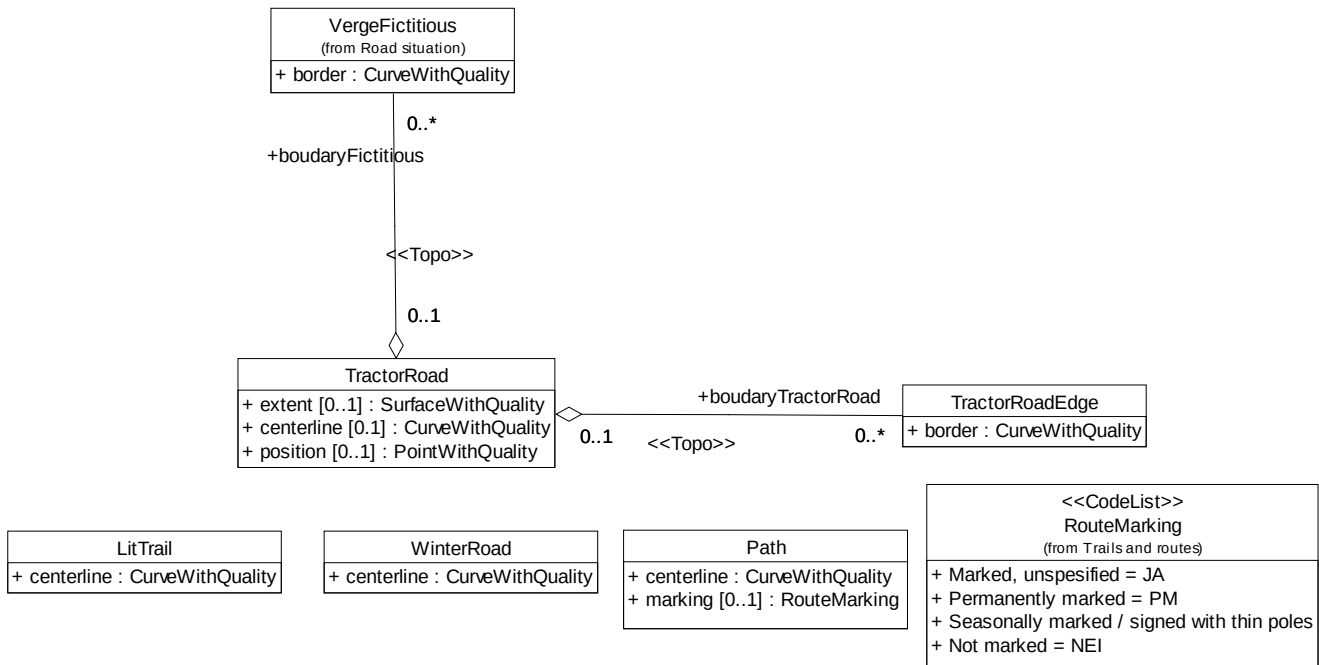
Main



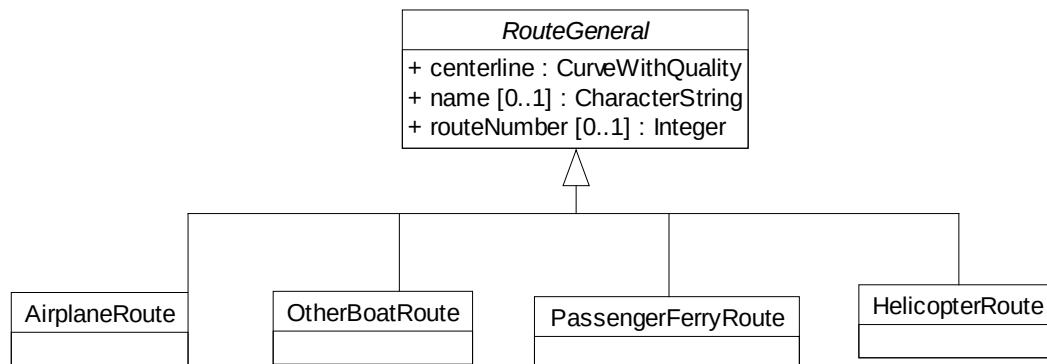
General traffic featuretypes



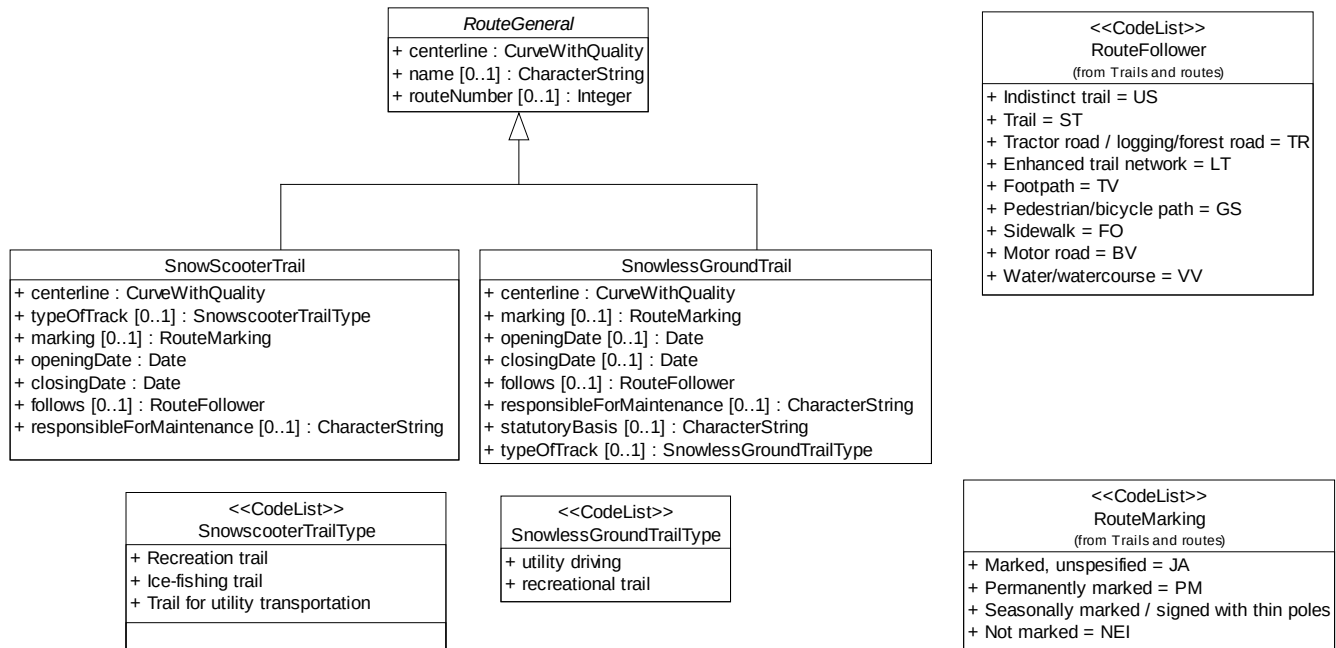
Other traffic



Routes



Snowscooter- and snowlessgroundtrails



1.2 Description

1.1.1 TrafficAreaBorder

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
1	Class TrafficAreaBorder	delimitation of traffic area				
1.1	border	course following the transition between different real world phenomena	1	1	CurveWithQuality	
1.2	Role (unnamed) TrafficArea		1	2	TrafficArea	

1.1.2 TrafficArea

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
2	Class TrafficArea	area for all traffic, without further specification of what type of transport the area is used for				
2.1	extent	area over which an object extends	0	1	SurfaceWithQuality	
2.2	centerline	course followed by the central part of the Object	0	1	CurveWithQuality	
2.3	position	location where the object exists	0	1	PointWithQuality	
2.4	Role boundaryTrafficArea		0	N	TrafficAreaBorder	Aggregation

1.1.3 Path

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
3	Class Path	distinct path in the terrain which has become pronounced through many yearsXzX use or prepared for general travel on foot				
3.1	centerline	course followed by the central part of the object	1	1	CurveWithQuality	
3.2	marking	whether the trail is marked or not	0	1	RouteMarking	

1.1.4 TractorRoad

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint

4	Class TractorRoad	road not suitable for ordinary year-round (or only seasonal) car traffic, but which is passable by tractor				
4.1	extent	area over which an object extends	0	1	SurfaceWithQuality	
4.2	centerline	course followed by the central part of the Object	0	1	CurveWithQuality	
4.3	position	location where the object exists	0	1	PointWithQuality	
4.4	Role boundaryTractorRoad		0	N	TractorRoadEdge	Aggregation
4.5	Role boundaryFictitious		0	N	VergeFictitious	Aggregation

1.1.5 TractorRoadEdge

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
5	Class TractorRoadEdge	delimitation of tractor road				
5.1	border	course following the transition between different real world phenomena	1	1	CurveWithQuality	
5.2	Role (unnamed) TractorRoad		0	1	TractorRoad	

1.1.6 WinterRoad

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
6	Class WinterRoad	road which is passable only in the winter				
6.1	centerline	course followed by the central part of the object	1	1	CurveWithQuality	

1.1.7 OtherBoatRoute

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
7	Class OtherBoatRoute	boat route which cannot be characterised as passenger ferry or car ferry				Subtype of RouteGeneral

1.1.8 PassengerFerryRoute

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint

8	Class PassengerFerry Route	ferry route for transportation of people and goods				Subtype of RouteGeneral
---	----------------------------------	--	--	--	--	-------------------------

1.1.9 AirplaneRoute

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
9	Class AirplaneRoute	permanent airplane route				Subtype of RouteGeneral

1.1.10 HelicopterRoute

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
10	Class HelicopterRoute	route for helicopter traffic between oil installations and the mainland				Subtype of RouteGeneral

1.1.11 SnowScooterTrail

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
11	Class SnowScooterTrail	marked trails for snow scooter driving, open to the general public. Trails founded on the regulations laid down by the County governor				Subtype of RouteGeneral
11.1	centerline	course followed by the central part of the object	1	1	CurveWithQuality	
11.2	typeOfTrack	various types of snowscooter routes that can be used pursuant to the Act relating to motor traffic on uncultivated land and in watercourses with regulations	0	1	SnowscooterTrailType	
11.3	marking	route or track is marked, or type of marking	0	1	RouteMarking	
11.4	openingDate	earliest date on which a track may be opened/be used Note: the date includes designated date, i.e. from and including.	1	1	Date	
11.5	closingDate	latest date on which a track must be closed down/not in use Note: date includes designated date, i.e. from and including.	1	1	Date	
11.6	follows	type of route the track follows	0	1	RouteFollower	

11.7	responsibleForMaintenance	institution or others responsible for maintenance of area	0	1	CharacterString	
------	---------------------------	---	---	---	-----------------	--

1.1.12 RouteGeneral

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
12	Class RouteGeneral	route for general traffic/travel				Abstract
12.1	centerline	course followed by the central part of the object	1	1	CurveWithQuality	
12.2	name		0	1	CharacterString	
12.3	routeNumber	transport or outdoor recreational route number	0	1	Integer	

1.1.13 SnowlessGroundTrail

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
13	Class SnowlessGroundTrail	traditional driving tracks/tractor roads on uncultivated land where motor traffic for the general public is permitted on snowless ground in accordance with the regulations laid down by the County governor				Subtype of RouteGeneral
13.1	centerline	course followed by the central part of the object	1	1	CurveWithQuality	
13.2	marking	route or track is marked, or type of marking	0	1	RouteMarking	
13.3	openingDate	earliest date on which a track may be opened/be used Note: the date includes designated date, i.e. from and including.	0	1	Date	
13.4	closingDate	latest date on which a track must be closed down/not in use Note: date includes designated date, i.e. from and including	0	1	Date	
13.5	follows	type of route the track follows	0	1	RouteFollower	
13.6	responsibleForMaintenance	institution or others responsible for maintenance of area	0	1	CharacterString	
13.7	statutoryBasis	URL address on www.lovdata.no for act/regulations that driving along the trail is founded	0	1	CharacterString	

		on				
13.8	typeOfTrack	type of track	0	1	SnowlessGroundTrailType	

1.1.14 LitTrail

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
14	Class LitTrail	trail route with lighting				
14.1	centerline	course followed by the central part of the object	1	1	CurveWithQuality	

1.1.15 TrafficHub

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
15	Class TrafficHub	represents hubs for transfer between different means of transportation				
15.1	position	location where the object exists	1	1	PointWithQuality	

1.1.16 Association <<Topo>> TractorRoad-TractorRoadEdge

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
16	Association TractorRoad- TractorRoadEdge					
16.1	Role boundaryTractorRoad		0	N	TractorRoadEdge	Aggregation
16.2	Role (unnamed) TractorRoad		0	1	TractorRoad	

1.1.17 Association <<Topo>> TrafficArea-TrafficAreaBorder

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
17	Association TrafficArea- TrafficAreaBorder					
17.1	Role boundaryTrafficArea		0	N	TrafficAreaBorder	Aggregation
17.2	Role (unnamed) TrafficArea		1	2	TrafficArea	

1.1.18 Association <<Topo>> TractorRoad-VergeFictitious

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
18	Association TractorRoad- VergeFictitious					
18. 1	Role boudaryFictitious		0	N	VergeFictitious	Aggregation
18. 2	Role (unnamed) TractorRoad		0	1	TractorRoad	

1.1.18.1 <<CodeList>> SnowscooterTrailType

Nr	Code name	Definition/Description	Code
1	CodeList SnowscooterTrailType	various types of snowscooter trails which are allowed pursuant to the YzzYRegulations relating to the use of motorised vehicles on uncultivated land and on frozen watercoursesYzzY	
1.1	Recreation trail	open to the general public (in Nord-Troms and Finnmark) [Section 4 of the Regulations relating to the use of motorised vehicles on uncultivated land and on frozen watercourses]	
1.2	Ice-fishing trail	open to the general public (in Nord-Troms and Finnmark) [Section 8 of the Regulations relating to the use of motorised vehicles on uncultivated land and on frozen watercourses]	
1.3	Trail for utility transportation	open for utility transportation [Sections 3 and 5 of the Regulations relating to the use of motorised vehicles on uncultivated land and on frozen watercourses and Section 4 of the Act relating to motor traffic on uncultivated land and in watercourses] Note: utility driving does not take place solely along ??designated/permanent trails. It is only if it is convenient that the same trail/track is used ??<truncated>	

1.1.18.2 <<CodeList>> SnowlessGroundTrailType

Nr	Code name	Definition/Description	Code
2	CodeList SnowlessGroundTrailType	type of snowless ground trail	
2.1	utility driving		
2.2	recreational trail		

