

Obstacles

Washington D.C. | October 10 - 11, 2007

AIXM Class | **2007**

AIXM 5 RC2



EUROCONTROL



What is an obstacle



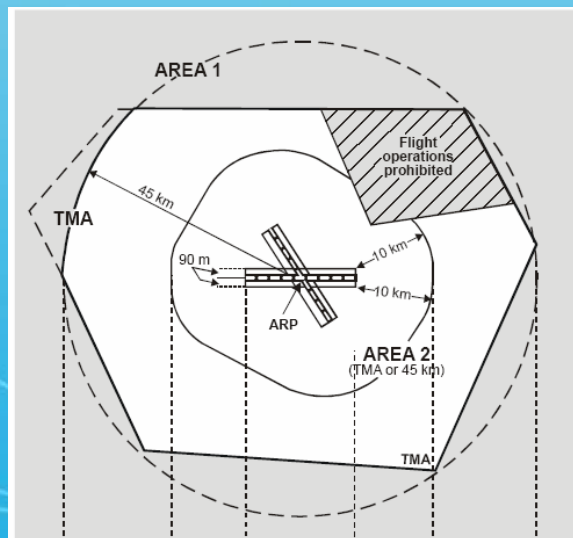
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Aeronautical Information Exchange Model



Obstacles

- ICAO Annex 4, 14, 15 & DOC 8126
- RTCA /EUROCAE DO-276/ED-98
- AICM 4.5
- IATA



- Lighting
- Schedule
- Area 1, 2, 3
- Point, Line, Polygon

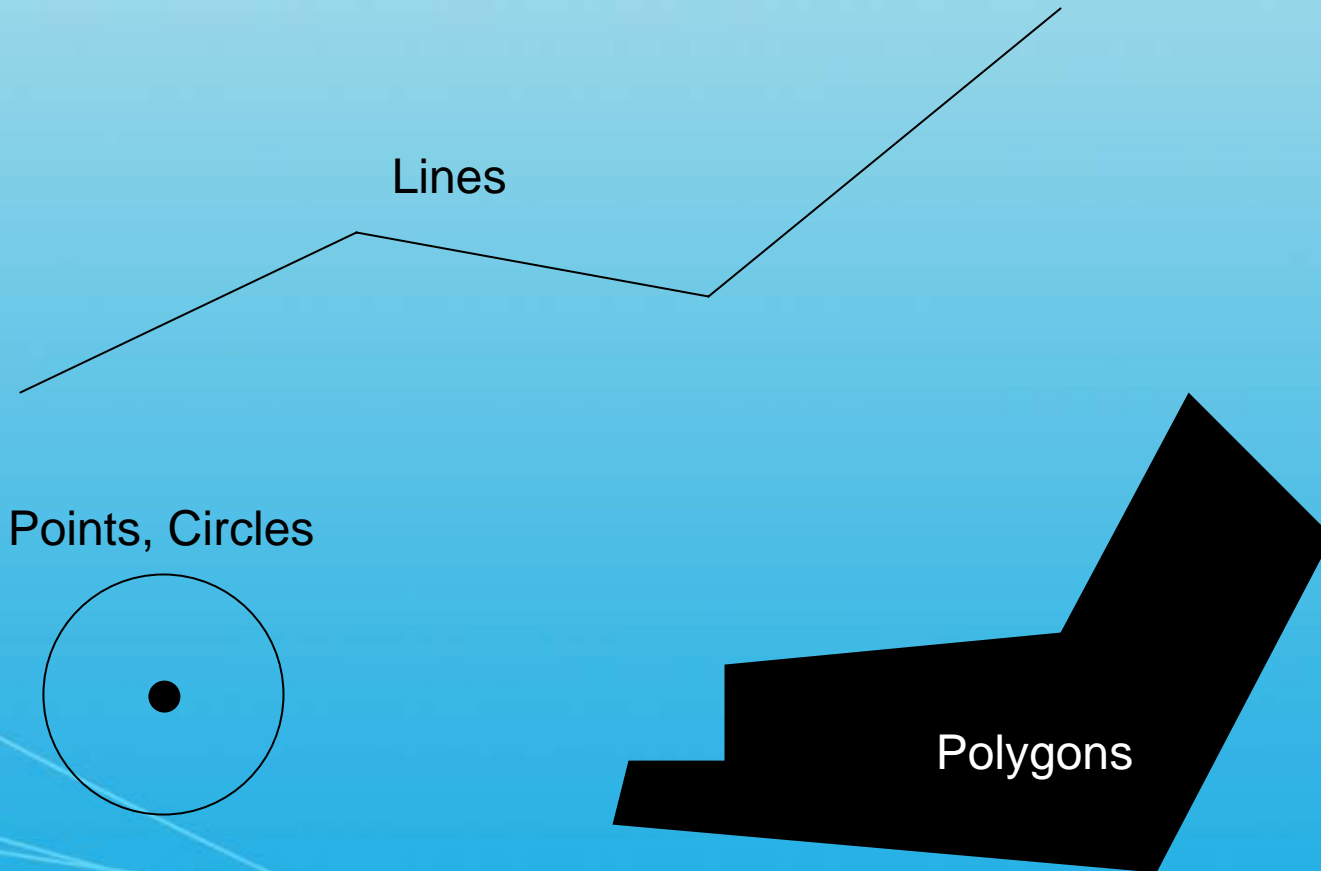
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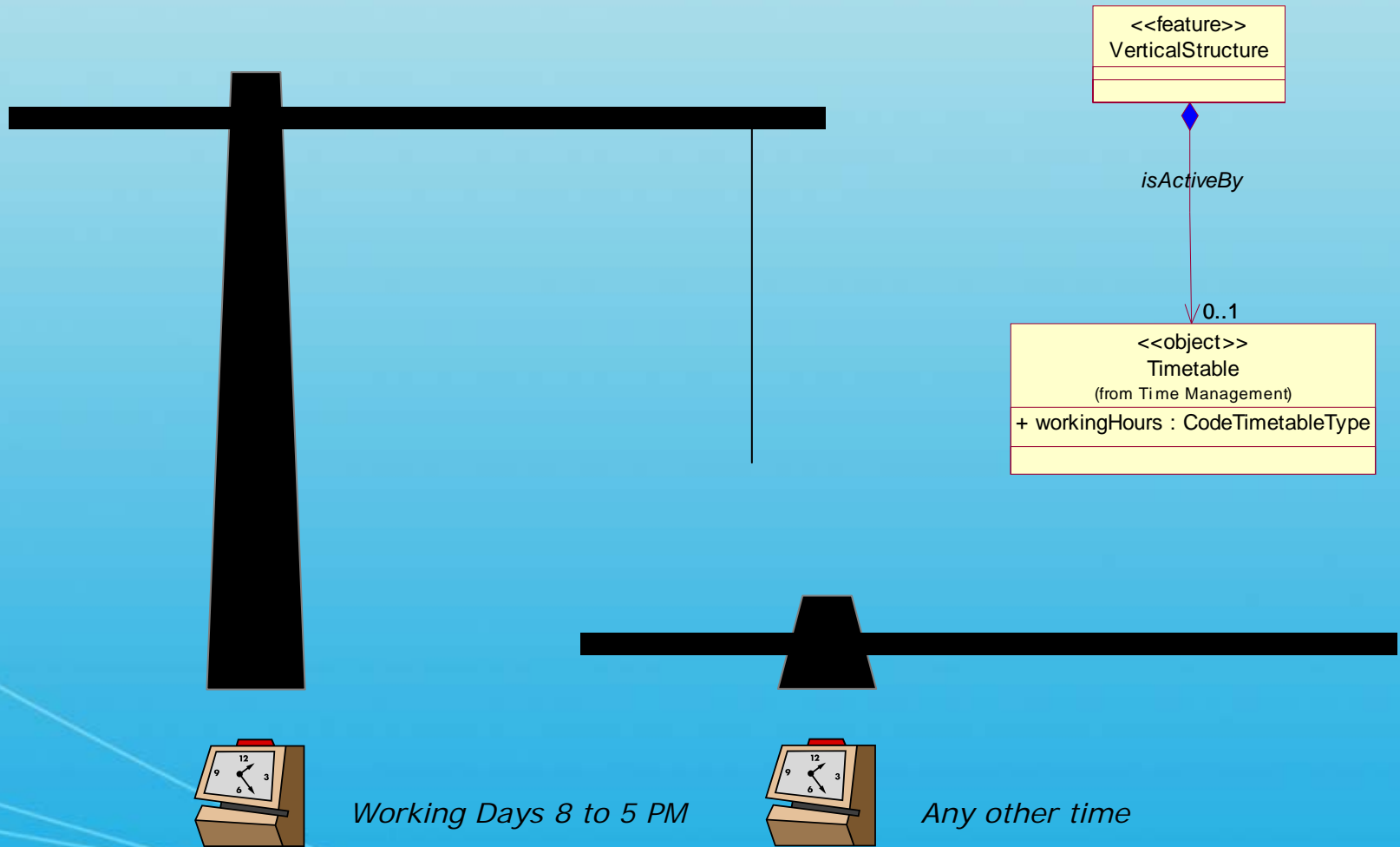
Obstacle type

aerial cable	dredge / powershovel / drag line	refinery
aerial cableway pylon	elevator	storage depot
amusement park structure	fence	substation / transformer
antenna	flare pipe	tank
aqueduct	fortification	ship
arch	grain bin / silo	ship storage
blast furnace	grain elevator	ski jump
bridge / overpass / viaduct	hopper	ski lift
bridge superstructure	launch pad	ski pylon
bridge tower	lighthouse	spire
building	light vessel / lightship	stack
cable car / railway	light support structure	stadium
catalytic cracker	monument	tethered balloon
catenary	navaid	tower (non communication)
chimney / smokestack	nuclear reactor	telephone lines
conveyor	natural highpoint	telephone pylons / poles
cooling tower	off shore platform	tramway
communication building	power plant	tree
communication tower	power transmission line	vegetation
crane	power transmission pylon	water tower
control tower	pole	windmill
dam / wier	processing / treatment plant	windmill farms
display sign	rig / superstructure	wind motor
dome		wall

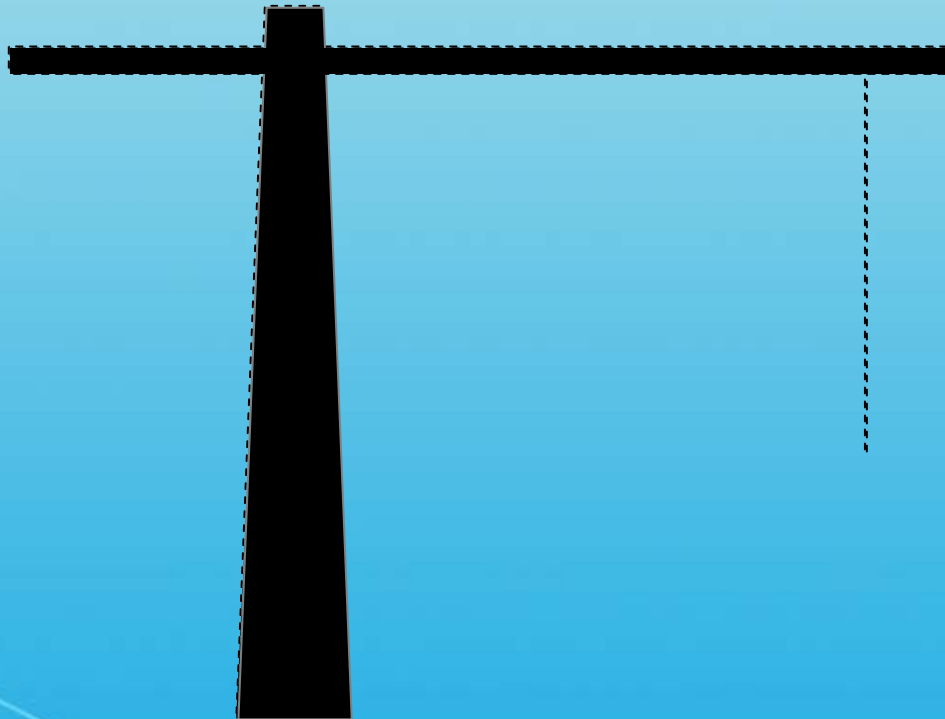
Obstacle horizontal geometry



Obstacle effectivity



Obstacle status



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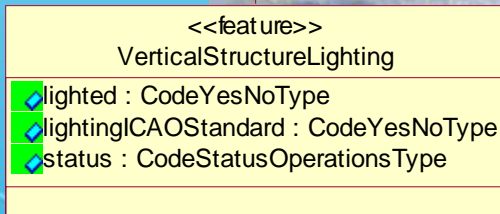
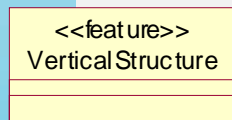
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MODEL D'ÉCHANGE D'INFORMATION AÉRONAUTIQUE

Obstacle lighting status

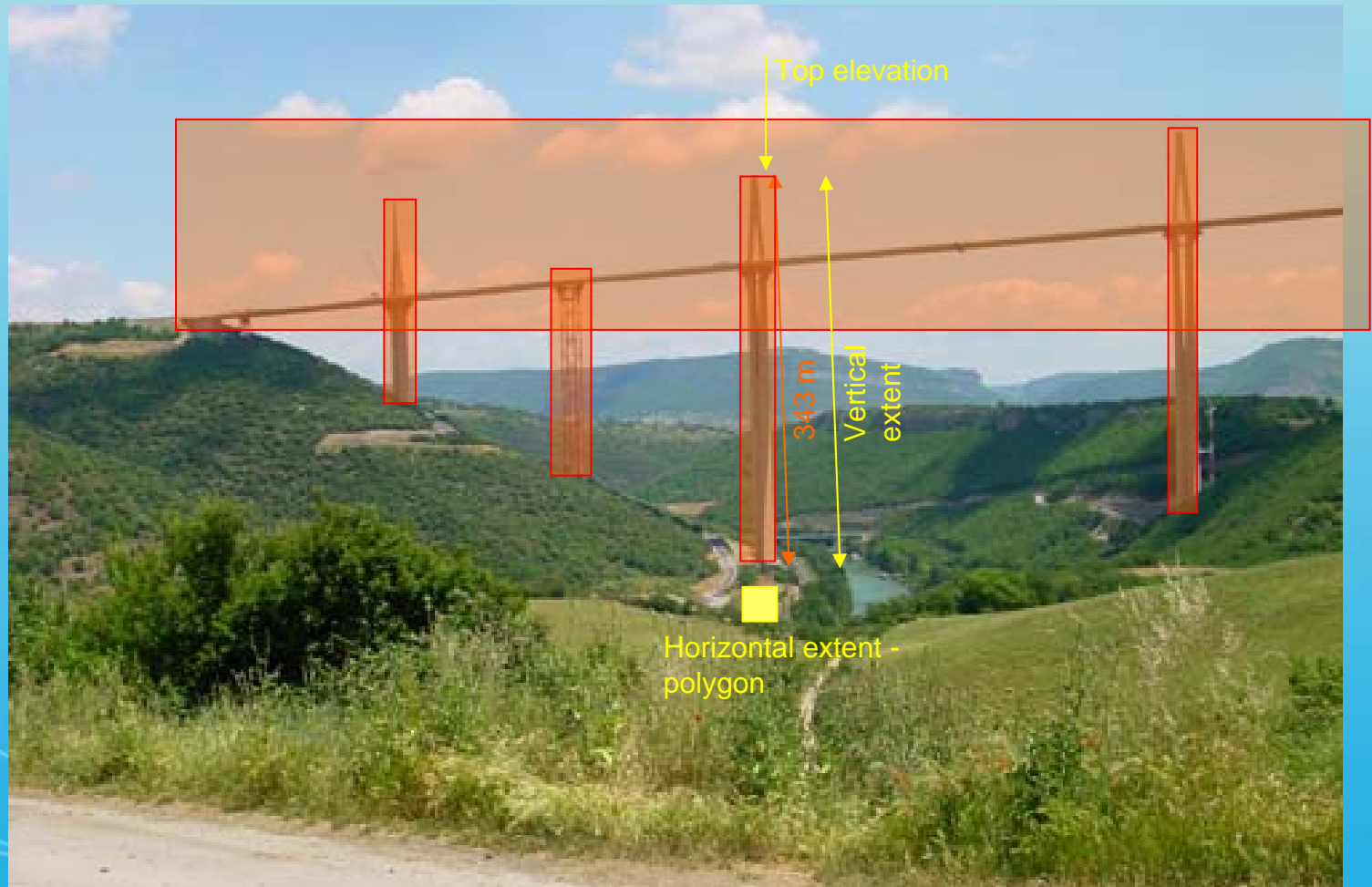


Obstacle lighting effectivity



Sunset to Sunrise

Obstacle made of parts

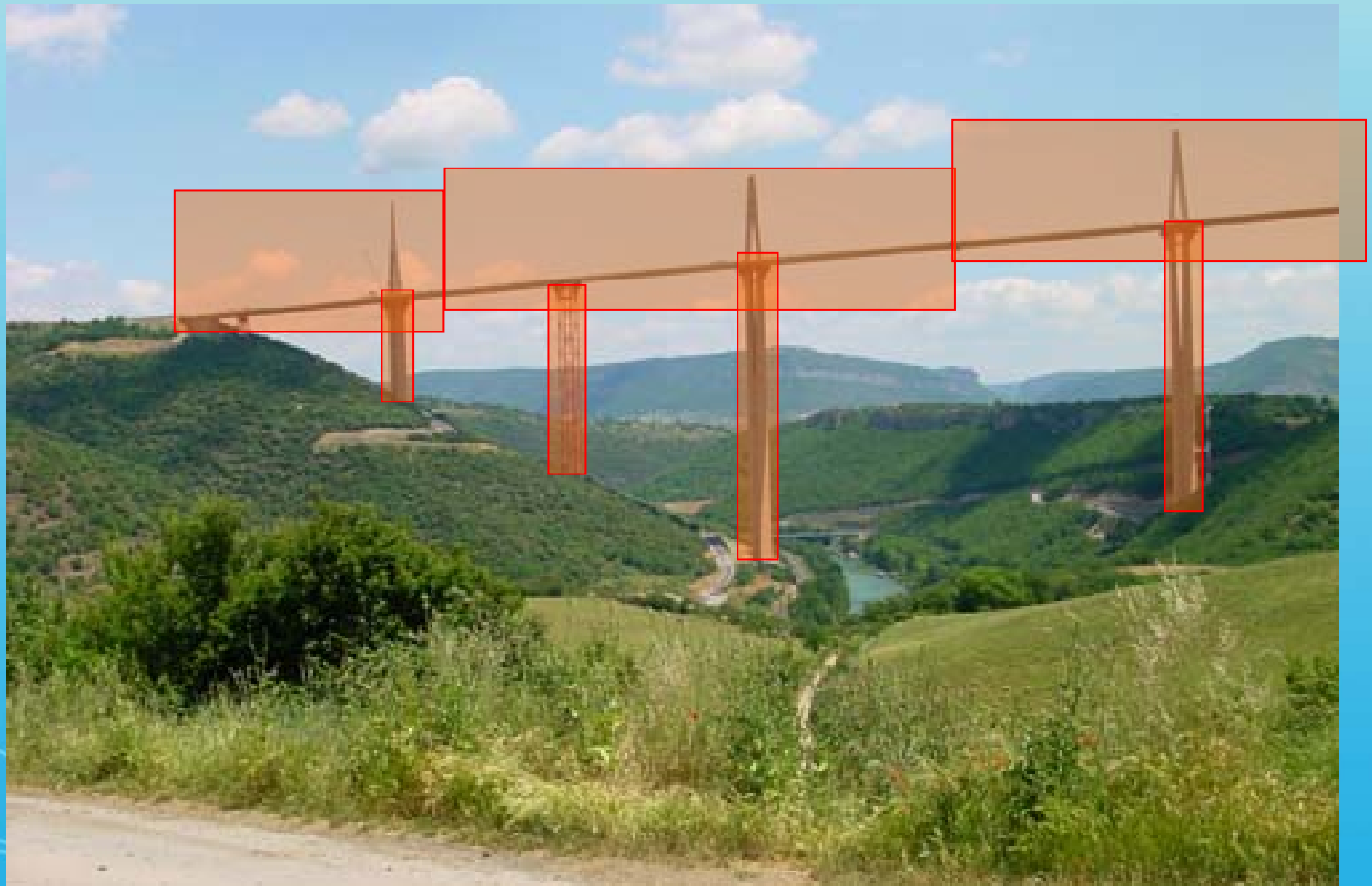


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FROM AIRCRAFT INFORMATION EXCHANGE MODEL

Obstacle made of parts

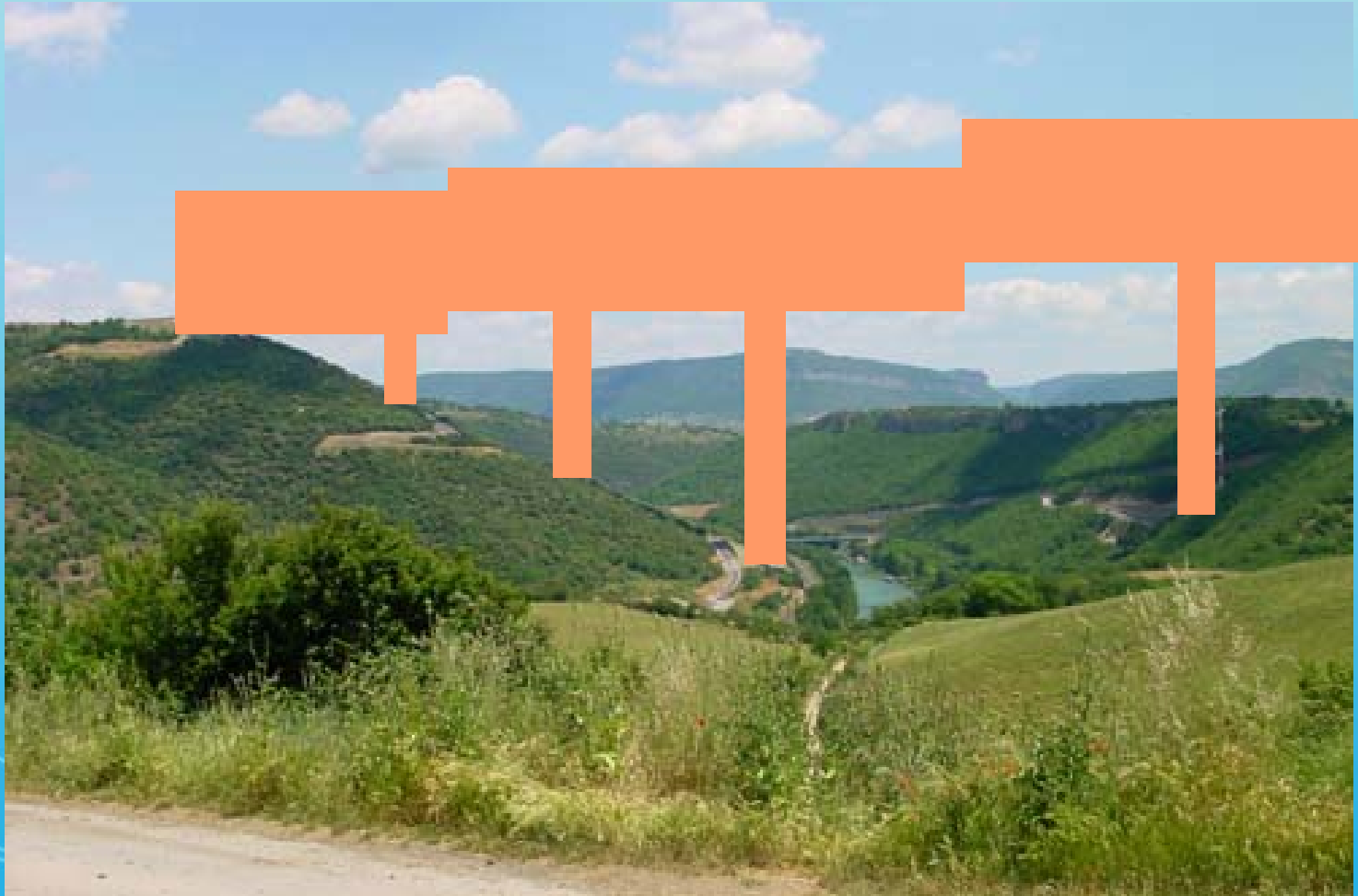


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Model d'Échange d'Informations Aéronautiques

Obstacle made of parts



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Aeronautical Information Exchange Model

Model d'Échange d'Informations Aéronautiques

Obstacle made of parts



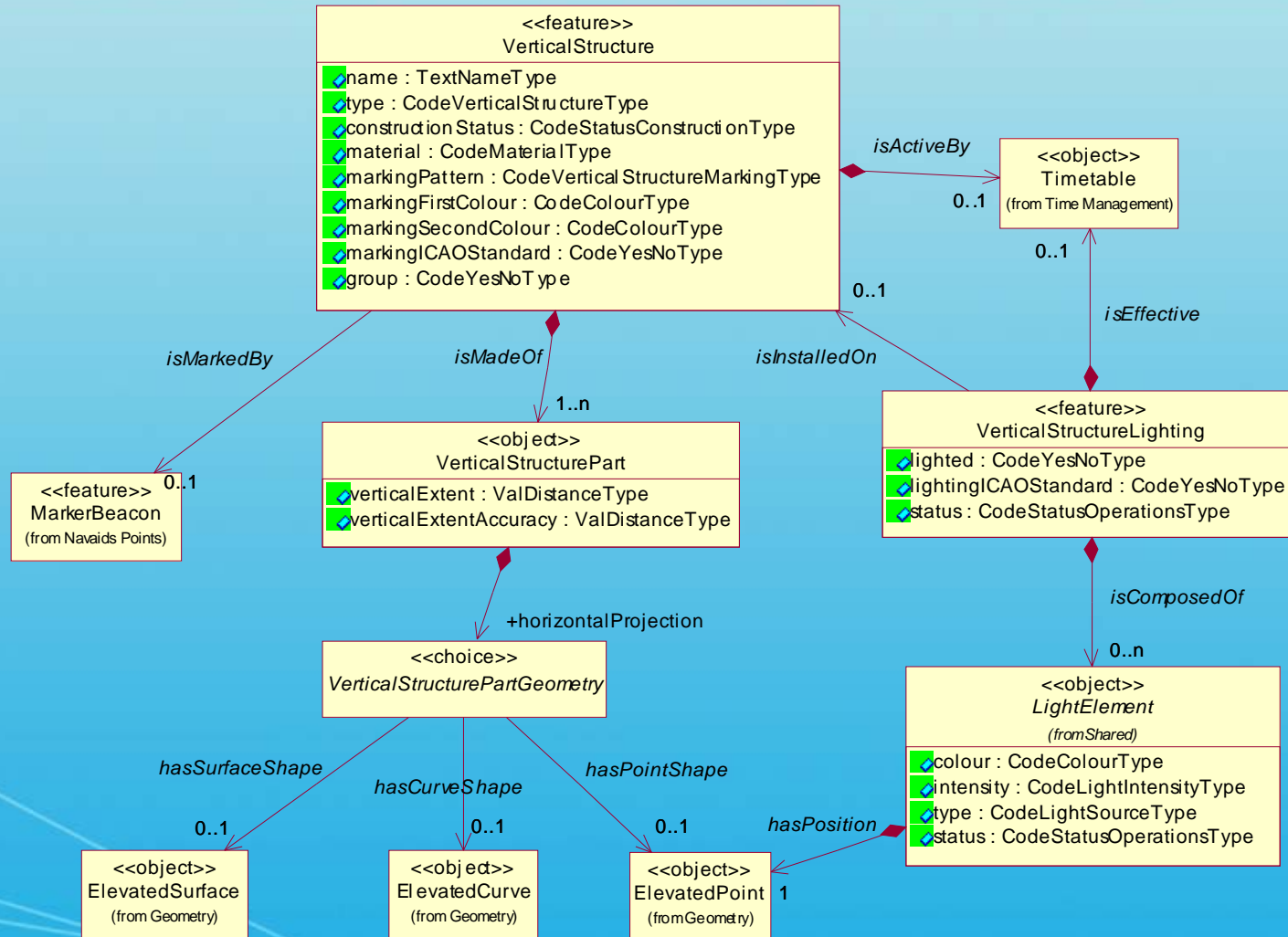
or, more detailed...

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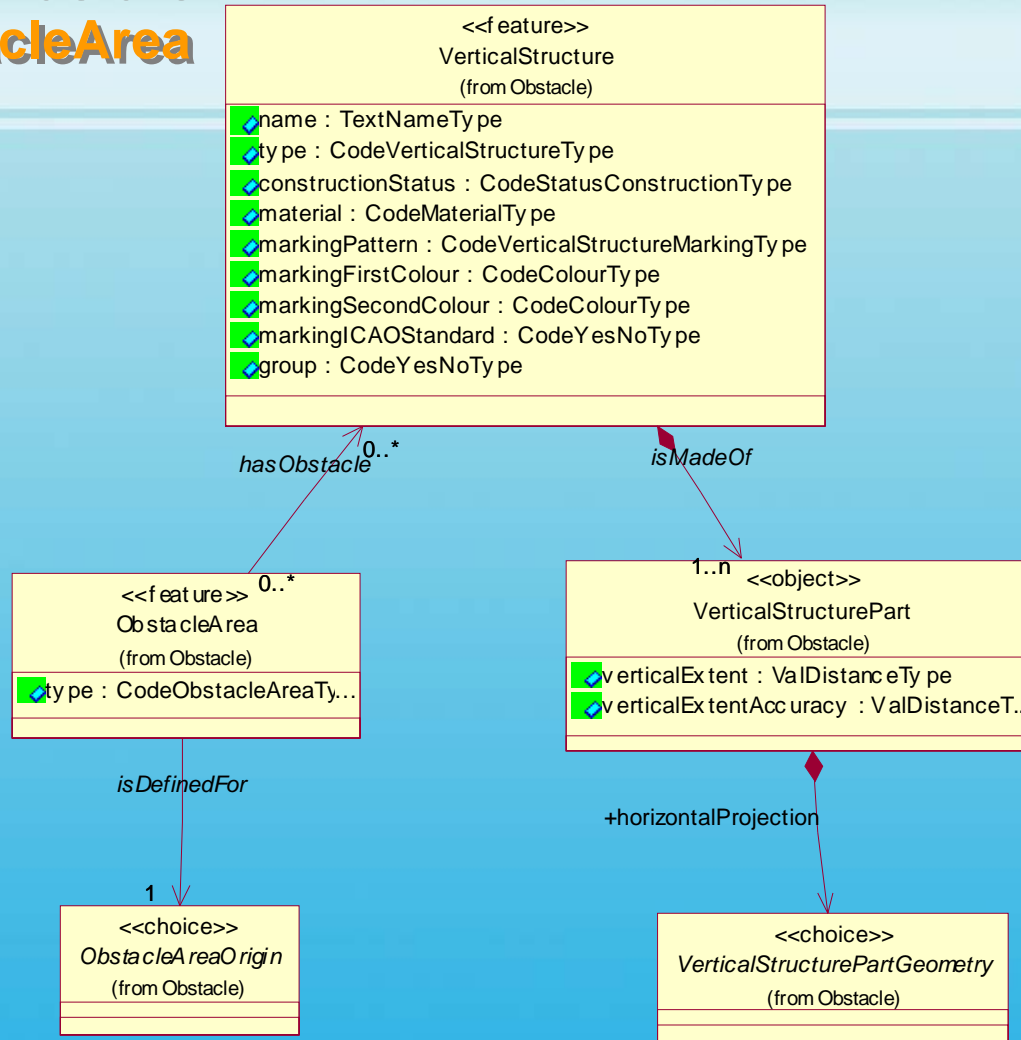
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Model d'Échange d'Informations Aéronautiques

Obstacle and Lighting

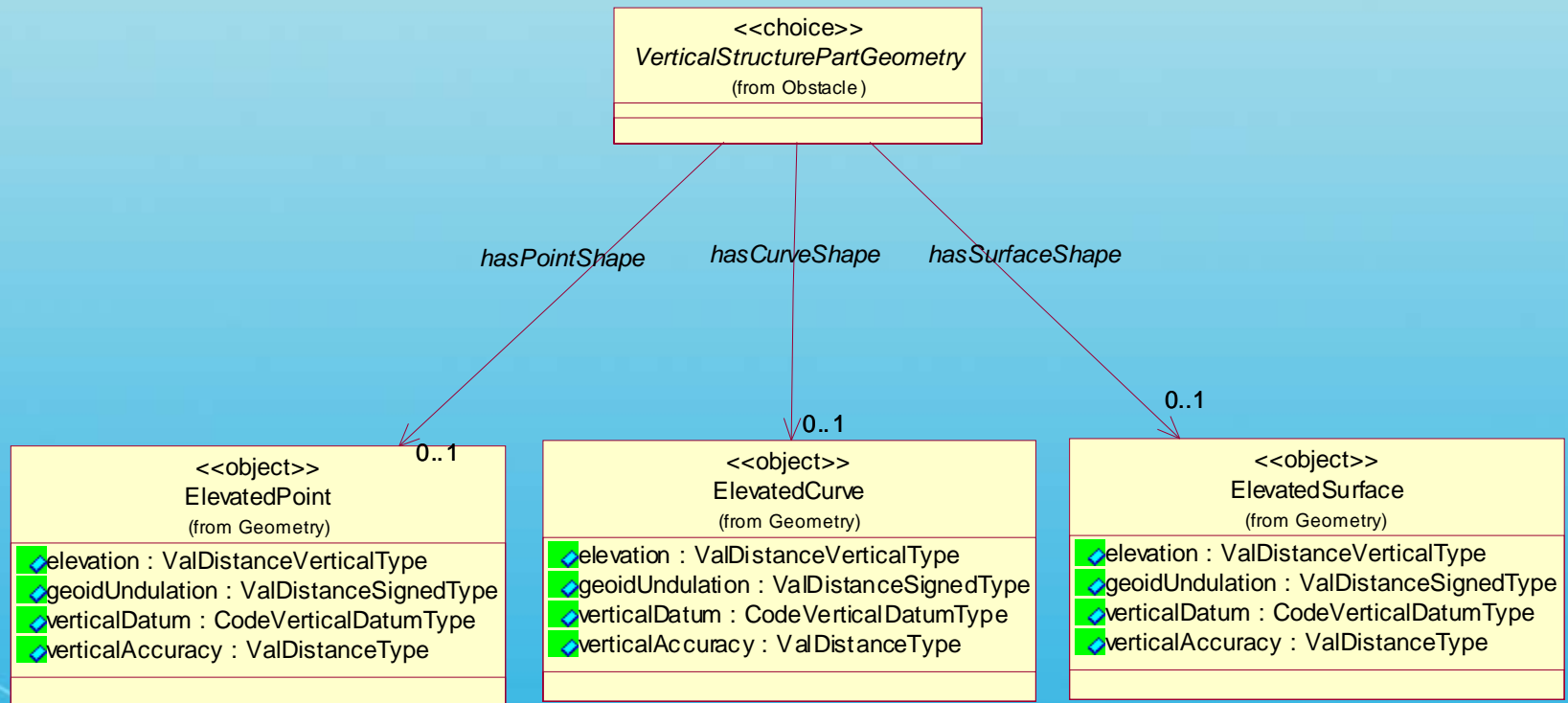


VerticalStructure and ObstacleArea

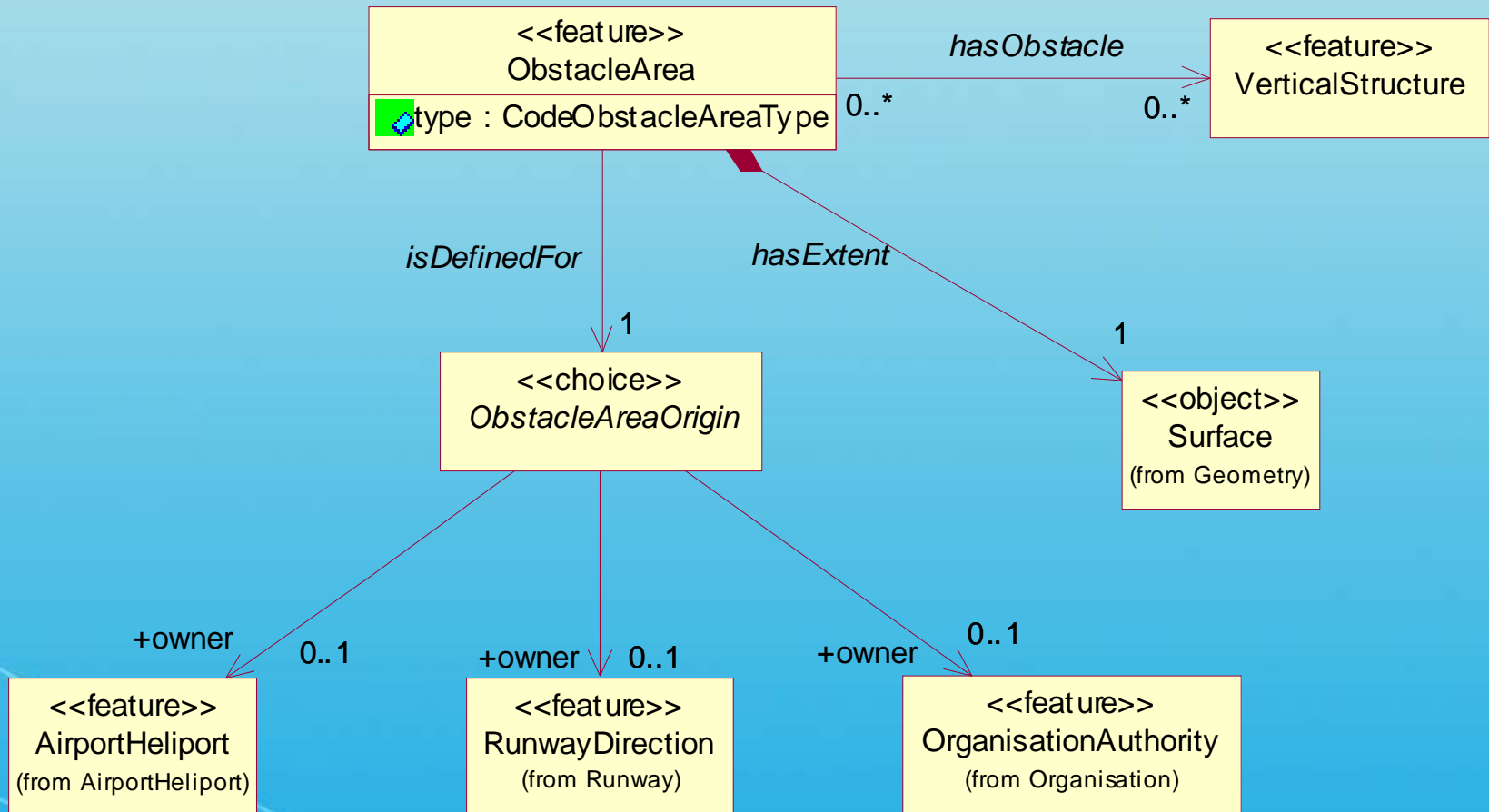


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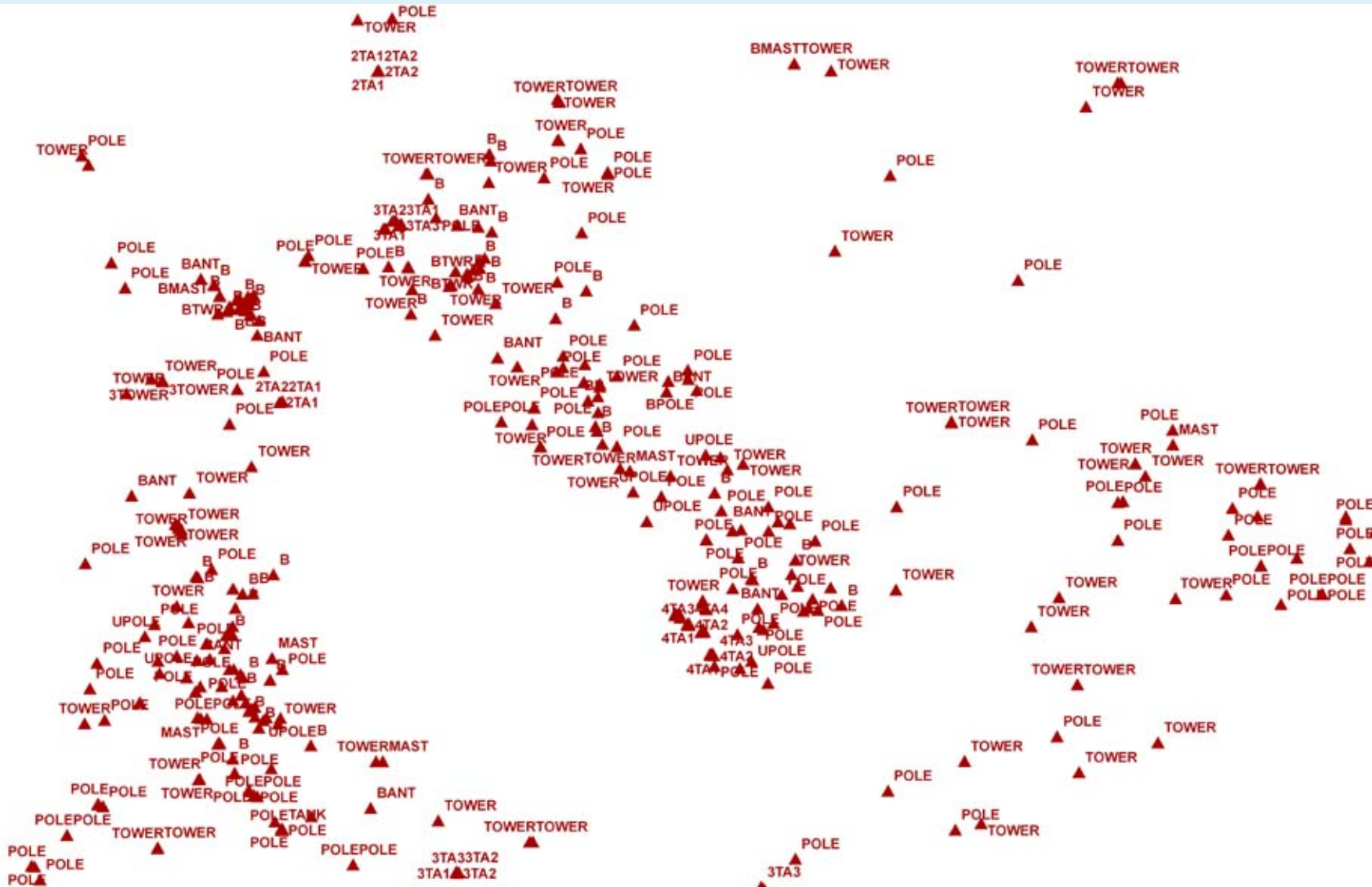
VerticalStructurePartGeometry UML choice



Obstacle areas



San Francisco Bay Area

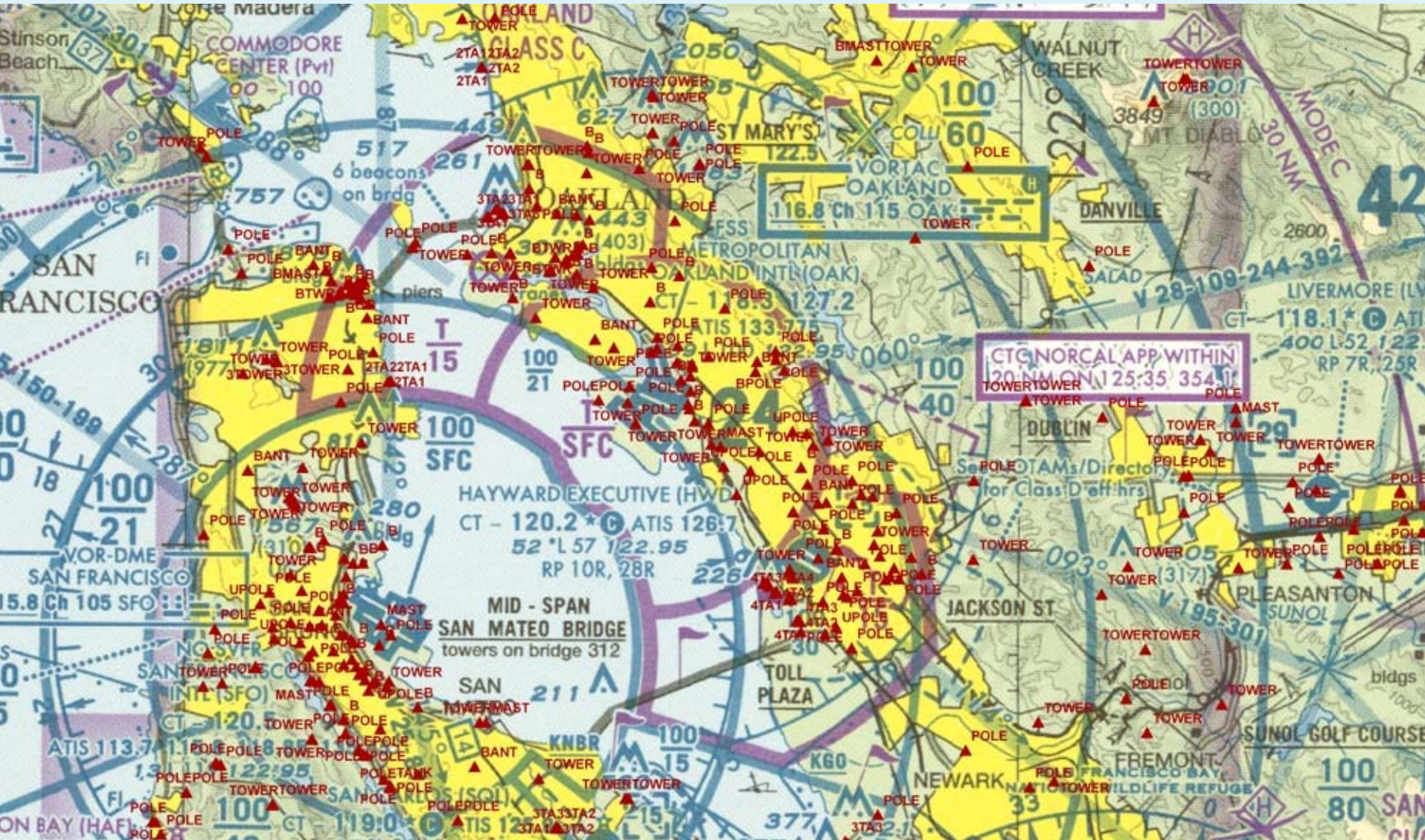


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Aeronautical Information Exchange Model

Version 4.1.0 (2018-01-01)

San Francisco Bay Area



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Aeronautical Information Exchange Model

Version 4.0.0 (2018-01-01)