1 Annex 1: Draft Airport-Specific Object List

This table illustrates the work done to-date by the project working group and lists the airport-specific asset type names from multiple sources.

	Element Common Name	Airport Category	Priority Tier	BIM	GIS	Relates to another Room	Currently used IFC4 Entity	Predefined Type	User Defined Type	Currently used IFC2x3 Entity
1	ABC reader									IfcFurniture
2	Airbridge	Airport Terminals and the		✔	✔		IfcBuildingElementProxy	USERDEFINED	AIRBRIDGE	
3	Aircraft Docking Equipment			✔			IfcBuildingElementProxy	USERDEFINED		
4	Airfield Ground Lighting (AGL)				✔		IfcLightFixture			
5	Airfield Signage - wayfinding	Sign Locations			✔		IfcSign			
6	Airplane standing point: INS									
7	Approach light mast						IfcLightFixture			
8	Approach light pole						IfcLightFixture			
9	Apron lighting - fixture	Apron Lighting					IfcLightFixture	USERDEFINED	APRONFIXTURE	
10	Apron lighting - lightpole	Apron Lighting					IfcGeographicElement IfcLightFi	USERDEFINED	APRONLIGHTPOLE	
11	Automatic border passage	Passenger Screening					IfcElectricAppliance	USERDEFINED	AUTOMATICBORDERP...	
12	Aviation Fuel Tanks				✔		IfcTank	STORAGE		
13	Baggage cart checked bagga...	Airport Terminals and the	Tier 3				IfcTransportElement	USERDEFINED	BAGGAGECARTCHECK...	
14	Baggage cart Odd-size	Airport Terminals and the	Tier 3		✔		IfcTransportElement	USERDEFINED	BAGGAGECARTODDSIZE	
15	Baggage Cart Return	Airport Terminals and the	Tier 2	✔	✔	✔	IfcFurniture	USERDEFINED	CARTRETURN	
16	Baggage cart Shopper	Airport Terminals and the	Tier 3		✔		IfcTransportElement	USERDEFINED	BAGGAGECARTSHOPP...	
17	Baggage Conveyor	Airport Terminals and the					IfcTransportElement	USERDEFINED	BAGGAGECONVEYOR	
18	Baggage Handling System	Baggage Handling Syste		✔	✔		IfcTransportElement	USERDEFINED	TAGREADER CAROUSEL	
19	Baggage Hoist	Baggage Handling Syste		✔		✔	IfcBuildingElementProxy	USERDEFINED		
20	Baggage X-Ray Unit	Checked Baggage Screen		✔	✔	✔	IfcElectricAppliance	USERDEFINED	XRAYUNIT	
21	Boarding Pass Scanner				✔	✔	IfcFurniture	USERDEFINED		
22	Body Scanner	Passenger Screening		✔	✔		IfcElectricAppliance	USERDEFINED	BODYSCANNER	
23	Bollard	Airport Terminals and the		✔	✔	✔	IfcMember	USERDEFINED	BOLLARD	
24	Breaking Net									
25	Brine installation						IfcDistributionElement	USERDEFINED	BRINEINSTALLATION	
26	Ceilometer									IfcBuildingElementProxy
27	Centerline lighting						IfcGeographicElement IfcLightFi	USERDEFINED	CENTERLINELIGHTING	
28	Check-In Desk	Ticket and Check-in Lobl		✔	✔	✔	IfcFurniture	USERDEFINED	CHECKINDESK	
29	Check-In Kiosk	Ticket and Check-in Lobl		✔	✔	✔		USERDEFINED	CHECKINKIOSK	
30	Chutte (parallel)	Baggage Handling Syste								IfcTransportElement
31	Chutte (spriral)	Baggage Handling Syste								IfcTransportElement
32	Cloud Height Meter									
33	Collaborative Decision Makin...						IfcAudioVisualAppliance	DISPLAY		
34	Common Use Passenger Proc...	Passenger Screening								IfcFurniture
35	Common Use Self Service	Ticket and Check-in Lobl				✔				IfcFurniture
36	Construction Hoarding	Airport Terminals and the		✔	✔	✔	IfcWall	USERDEFINED	HOARDING	
37	Conveyor belt (merge left)	Baggage Handling Syste								IfcTransportElement
38	Conveyor belt (merge right)	Baggage Handling Syste								IfcTransportElement
39	Conveyor belt vertimerge	Baggage Handling Syste								IfcTransportElement
40	Conveyor belt vertisorter	Baggage Handling Syste								IfcTransportElement
41	Curved conveyor belt	Baggage Handling Syste								IfcTransportElement
42	De-icing installation	Aircraft Deicing					IfcDistributionElement	USERDEFINED	DEICINGINSTALLATION	
43	Display	Wayfinding and Termina				✔	IfcAudioVisualAppliance	DISPLAY		IfcBuildingElementProxy
44	DME Mast									
45	DVOR Beacon									
46	Edge Light: including runway:...									
47	Emergency Access Gates				✔	✔	IfcDoor	GATE		
48	End of runway lighting						IfcGeographicElement IfcLightFi	USERDEFINED	ENDOFRUNWAYLIGHT...	
49	Entrance Control	Airport Terminals and the		✔	✔		IfcFurniture	USERDEFINED	RETAILGATE TURNSTILE	
50	FIDS	Wayfinding and Termina		✔	✔	✔	IfcAudioVisualAppliance	USERDEFINED	FID	
51	Flight Measurement Point									
52	Horizontal conveyor belt	Baggage Handling Syste								IfcTransportElement
53	ICECAST Runway Weather Sta...									
54	ILS-FF: Antenna									
55	ILS-GP Antenna									
56	ILS-LLZ Antenna									
57	Inclined conveyor belt down...	Baggage Handling Syste								IfcTransportElement

#	Name	Category				IFC Type	Predefined	Type Value	IFC Type 2
57	Inclined conveyor belt down...	Baggage Handling Syste							IfcTransportElement
58	Inclined conveyor belt upwards	Baggage Handling Syste							IfcTransportElement
59	ION Scanner/explosive detect...	Airside security				IfcElectricAppliance	USERDEFINED	IONSCANNER	
60	Jetbridge	Airport Terminals and th				IfcTransportElement	USERDEFINED	JETBRIDGE	
61	Localiser								IfcBuildingElementProxy
62	Metal detector					IfcElectricAppliance	USERDEFINED	METALDETECTOR	
63	NDB (route beacon)								
64	Nose In Guidance System (NI...	Aircraft Parking Guidanc	✔	✔		IfcBuildingElementProxy	USERDEFINED	NIGS	
65	Open border passage	Airport Terminals and th				IfcBuildingElementProxy	USERDEFINED	OPENBORDERPASSAGE	
66	Paint Marking (Airfield)			✔					
67	PAPI Light								
68	Precision Approach Path Indi...					IfcLightFixture			
69	Precision approach path indic...					IfcGeographicElement	USERDEFINED	PRECISIONAPPROACH...	
70	Preconditioned Air Units (PCA)	Aircraft Servicing	✔	✔					
71	radar: including SSR: TAR: we...								
72	Radar: PAR								
73	Rolled bed (buffer position)	Baggage Handling Syste							IfcTransportElement
74	Rolled bed (Horizontal power)	Baggage Handling Syste							IfcTransportElement
75	Runway End Lights								
76	Runway Guard light					IfcGeographicElement IfcLightFi	USERDEFINED	RUNWAYGUARDLIGHT	
77	Runway Pavement Slab	Runway Pavement Slab		✔		IfcSlab			
78	Runway Temperature Meter								
79	RVR Meter or Mast								
80	Safety barriers	Airport Terminals and th	✔	✔		IfcRailing	USERDEFINED	SAFETYBARRIER	
81	Screening Lanes	Passenger Screening							IfcAssembly
82	Stopping point on runway: T...								
83	Taxiway Edge Pile								
84	Taxiway marking								
85	Traffic control system - Lane l...	Air Traffic Control Tower				IfcGeographicElement	USERDEFINED	TRAFFICLIGHT	
86	Training aircraft					IfcGeographicElement	USERDEFINED	TRAININGAIRCRAFT	
87	Vehicle - snowplow				✔	IfcTransportElement	USERDEFINED	SNOWPLOW	
88	Visual Docking Guidance Syst...	Aircraft Parking Guidanc				IfcAudioVisualAppliance			
89	Wayfinding Sign	Wayfinding and Termina	✔	✔	✔	IfcFurniture	WAYFINDING		
90	Wind Bag								
91	Wind Speed Meter								
92	X-ray dual view	Checked Baggage Screen			✔				IfcTransportElement
93	X-ray EDS-CT	Checked Baggage Screen			✔				IfcTransportElement
94	X-Ray machine	Checked Baggage Screen			✔	IfcElectricAppliance	USERDEFINED	XRAYMACHINE	
95	Wheelchairs/ passenger mobi...								
96									
+									