

Annex M. Changes Made to JC3IEDM Edition 3.1c Data Model in Evolving JC3IEDM Edition 3.0.2

M.1 Overview

M.1.1 Joint Consultation, Command, and Control Information Exchange Data Model (JC3IEDM) Edition 3.0.2 is the direct descendent of JC3IEDM Edition 3.1 that was issued in December 2006. This annex contains a comparison of JC3IEDM Edition 3.1c of the data model with the JC3IEDM Edition 3.0.2 of the data model. The listings in this annex are intended to serve as an aid to system developers. The listings can also be a convenient reference for readers who wish to follow the evolution of model specifications that are known or have been known under the names Generic Hub, Land C2 Information Exchange Model (LC2IEDM), C2 Information Exchange Model (C2IEDM) and JC3IEDM.

M.1.2 There were two major structural changes and one minor change between JC3IEDM Edition 3.0.2 and JC3IEDM Edition 3.1c.

M.1.3 The entities ACTION-COMMENT and OBJECT-ITEM-COMMENT were added. The minor change was the addition of the CONTROL-FEATURE-TYPE-echelon-code attribute.

There are 20 entities which are different comparing both JC3IEDM models.

Entity Name		Status
Attribute Name	Attribute Definition	
ACTION-COMMENT		Entity added
action-comment-index	The unique value, or set of characters, assigned to represent a specific ACTION-COMMENT for a specific ACTION and to distinguish it from all other ACTION-COMMENTS for that ACTION.	Attribute added
action-comment-long-text	The character string assigned to represent a general remark about a specific ACTION.	Attribute added
action-comment-short-text	The character string assigned to represent a short remark to be used in symbology for a specific ACTION.	Attribute added
action-id	The unique value, or set of characters, assigned to represent a specific ACTION and to distinguish it from all other ACTIONS.	Attribute added
reporting-data-id	The unique value, or set of characters, assigned to represent a specific REPORTING-DATA and to distinguish it from all other REPORTING-DATAs	Attribute added
ACTION-MARITIME-EMPLOYMENT		
action-maritime-employment-coordinated-air-sea-procedure-code	The specific value that represents the type of coordinated procedure that is to be followed in maritime operations with respect to Air Defence. The specific value that represents the coordinated air sea procedure (CASP) category for a friendly force, indicating the nature of the force relationship to the air commander.	Definition changed
ACTION-REFERENCE-ASSOCIATION		
reference-id	The unique value assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES. The unique value, or set of characters, assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES.	Definition changed
ATMOSPHERE		

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Edition_3.0.2_20090514.mdb

Entity Name		Status
Attribute Name	Attribute Definition	
atmosphere-pressure-quantity	The numeric value that denotes the ambient air in terms of force per unit area. The unit of measure is newtons per square metre. The numeric value that denotes the ambient air pressure in terms of force per unit area. The unit of measure is kPa (Kilopascals).	Definition changed
BERTH		
berth-maximum-beam-dimension	The one-dimensional linear distance representing the width athwartships, including all projections, of the largest vessel a specific berth can process. The one-dimensional linear distance representing the width athwartships, including all projections, of the largest vessel a specific BERTH can process.	Definition changed
berth-maximum-capacity-quantity	The numeric value that represents the maximum tonnage a specific berth can process per day. The unit of measure is Gross Registered Tonnage (GRT). The numeric value that represents the maximum tonnage a specific BERTH can process per day. The unit of measure is Gross Registered Tonnage (GRT).	Definition changed
berth-maximum-vessel-count	The integer value representing the maximum number of vessels a specific berth can process at the same time. The integer value representing the maximum number of vessels a specific BERTH can process at the same time.	Definition changed
berth-rail-availability-indicator-code	The specific value that represents the availability of railroad transportation capability at a specific berth. The specific value that represents the availability of railroad transportation capability at a specific BERTH.	Definition changed
berth-roll-on-roll-off-indicator-code	The specific value that represents whether or not the berth has roll on/roll off capabilities. The specific value that represents whether or not the BERTH has roll on/roll off capabilities.	Definition changed
berth-turnaround-time-duration	The numeric value that represents a quantity of time in milliseconds representing the average units of time for the process of docking, unloading, reloading and undocking a ship for a specific berth. The numeric value that represents a quantity of time in milliseconds representing the average units of time for the process of docking, unloading, reloading and undocking a ship for a specific BERTH.	Definition changed
CAPABILITY-REFERENCE-ASSOCIATION		
reference-id	The unique value assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES. The unique value, or set of characters, assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES.	Definition changed
CHEMICAL-BIOLOGICAL-EVENT		
chemical-biological-event-mass-fraction-concentration-quantity	The numeric value that represents the number of "parts" by weight of a biological or chemical substance per million parts of water. The unit of measure is in Parts per Million (PPM). The numeric value that represents the number of 'parts' by weight of a biological or chemical substance per million parts of water. The unit of measure is in Parts per Million (PPM).	Definition changed
CONTROL-FEATURE-TYPE		
control-feature-type-echelon-code	The specific value that represents the echelon level of an organisation that is to be associated with a specific CONTROL-FEATURE-TYPE.	Attribute added
MINE-STATUS		

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Entity Name		Status
Attribute Name	Attribute Definition	
mine-status-code	The specific value that represents the status of a maritime mine. The specific value that represents the status of a mine.	Definition changed
OBJECT-ITEM-COMMENT		Entity added
object-item-comment-index	The unique value, or set of characters, assigned to represent a specific OBJECT-ITEM-COMMENT for a specific OBJECT-ITEM and to distinguish it from all other OBJECT-ITEM-COMMENTS for that OBJECT-ITEM.	Attribute added
object-item-comment-long-text	The character string assigned to represent a general remark about a specific OBJECT-ITEM.	Attribute added
object-item-comment-short-text	The character string assigned to represent a short remark to be used in symbology for a specific OBJECT-ITEM.	Attribute added
object-item-id	The unique value, or set of characters, assigned to represent a specific OBJECT-ITEM and to distinguish it from all other OBJECT-ITEMS.	Attribute added
reporting-data-id	The unique value, or set of characters, assigned to represent a specific REPORTING-DATA and to distinguish it from all other REPORTING-DATAs	Attribute added
OBJECT-ITEM-OBJECT-TYPE-ESTABLISHMENT		
established-object-type-id	The object-type-id of a specific OBJECT-TYPE that is authorised in a specific OBJECT-TYPE-ESTABLISHMENT and whose establishment details are specified in OBECT-TYPE-ESTABLISHMENT-OBJECT-TYPE-DETAIL (a role name for object-type-id). The object-type-id of a specific OBJECT-TYPE that is authorised in a specific OBJECT-TYPE-ESTABLISHMENT and whose establishment details are specified in OBJECT-TYPE-ESTABLISHMENT-OBJECT-TYPE-DETAIL (a role name for object-type-id).	Definition changed
OBJECT-ITEM-REFERENCE-ASSOCIATION		
reference-id	The unique value assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES. The unique value, or set of characters, assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES.	Definition changed
OBJECT-TYPE-ESTABLISHMENT		
established-object-type-id	The object-type-id of a specific OBJECT-TYPE that is authorised in a specific OBJECT-TYPE-ESTABLISHMENT and whose establishment details are specified in OBECT-TYPE-ESTABLISHMENT-OBJECT-TYPE-DETAIL (a role name for object-type-id). The object-type-id of a specific OBJECT-TYPE that is authorised in a specific OBJECT-TYPE-ESTABLISHMENT and whose establishment details are specified in OBJECT-TYPE-ESTABLISHMENT-OBJECT-TYPE-DETAIL (a role name for object-type-id).	Definition changed
OBJECT-TYPE-ESTABLISHMENT-OBJECT-TYPE-DETAIL		
established-object-type-id	The object-type-id of a specific OBJECT-TYPE that is authorised in a specific OBJECT-TYPE-ESTABLISHMENT and whose establishment details are specified in OBECT-TYPE-ESTABLISHMENT-OBJECT-TYPE-DETAIL (a role name for object-type-id). The object-type-id of a specific OBJECT-TYPE that is authorised in a specific OBJECT-TYPE-ESTABLISHMENT and whose establishment details are specified in OBJECT-TYPE-ESTABLISHMENT-OBJECT-TYPE-DETAIL (a role name for object-type-id).	Definition changed
OBJECT-TYPE-REFERENCE-ASSOCIATION		
reference-id	The unique value assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES.	Definition changed

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Entity Name		Status
Attribute Name	Attribute Definition	
	The unique value, or set of characters, assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES..	
ORBIT-AREA		Definition changed
ORGANISATION-REFERENCE-ASSOCIATION		
reference-id	The unique value assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES. The unique value, or set of characters, assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES.	Definition changed
PLAN-ORDER-COMPONENT-CONTENT-REFERENCE		
reference-id	The unique value assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES. The unique value, or set of characters, assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES.	Definition changed
REFERENCE		
reference-id	The unique value assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES. The unique value, or set of characters, assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES.	Definition changed
REPORTING-DATA		
reference-id	The unique value assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES. The unique value, or set of characters, assigned to represent a specific REFERENCE and to distinguish it from all other REFERENCES..	Definition changed