M.1 Anchorage Areas and Berths

M.1.4 Transshipment Berth (M)

A designated named or numbered place at the bank of the river or in a harbour basin for the mooring of vessels and transshipment

Graphics	Encoding Instructions	Object Encoding
Real World *IENC Symbolization*	A) For berths without transshipment see M.1.3 B) Where a berth may only be used for a limited period the duration should be indicated in INFORM. If there is a time schedule referring to special dates or times, use time schedule (general) object 'tisdge' (see T.1.1). C) To encode a berth, objects such as 'berths', MORFAC, 'resare' and navigational aids like 'notmrk' may be associated using a collection object C_ASSO. D) The linear extent of berths object is defined by markers or notice marks (CEVNI signs E.5 – E.5.15, E.6, E.7 or E.7.1) on the bank. E) If the width of a berth is not defined by notice marks, consider using 110' / 33,55 m (approximately three barge widths). F) Within port areas it is allowed to encode berths as line objects. G) Land facilities should be represented with buildings (BUISGL) and storage tank (SILTNK) or harbor facility (hrbfac) feature objects. H) The berth encodes the named place at a wharf. The wharf itself is encoded as a shoreline construction I) For SLCON Multiple NATCON values can be used, if applicable. J) Use CATSLC as follows: • 4, Pier: facility is primarily a structure generally extending perpendicular from shoreline into water. • 6, Wharf: facility is primarily a structure parallel to shoreline; use if details of 15 or 16 no known. • 15, Solid face wharf: Facility consisting of a solid wall such that water can not circulate underneath.	**Object Encoding** **Object Class =** berths(P,L,A) (O) catbrt = [1 (loading), 2 (unloading), 4 (push tow anchorage, CEVNI signs E.5.4, E.5.5, E.5.6, E.5.7), 5 (anchorage for other vessels than push tows, CEVNI signs E.5.8, E.5.9, E.5.10, E.5.11)] (O) clsdng = [1 (one blue light / cone), 2 (two blue lights / cones), 3 (three blue lights / cones), 4 (no blue light / cone), 5 (one red light / red cone top down)] (O) TXTDSC = (Refer to letter K) (O) DRVAL1 = [The minimum (shoalest) value; unit defined by the M_UNIT meta object class e.g., metres, if this attribute is used, QUASOU, SOUACC and verdat should also be provided] (O) OBJNAM = [name or number designation of the berth] (O) NOBJNM = (Refer to Section B, General Guidance) (O) STATUS = [3 (recommended), 8 (private), 12 (illuminated), 14 (public), 16 (watched), 17 (un-watched)] (O) trshgd = [1 (containers), 2 (bulk goods), 3 (oil), 4 (fuel), 5 (chemicals), 6 (liquid goods), 7 (explosive goods), 8 (fish), 9 (cars), 10 (general cargo)] (C) unlocd = [ISRS code] (O) INFORM = [additional information, e.g., limited duration of use, restrictions of the number, the kind or the size of vessels] (O) NINFOM = (Refer to Section B, General Guidance) (M) SCAMIN = [EU: 22000 for areas, 12000 for points; US: 45000] (C) SORDAT = [YYYYMMDD] (C) SORIND = (Refer to Section B, General Guidance) **Object Encoding** **Object Class =** SLCONS(L,A)

	• 16, Open face wharf: Facility supported on piles or other structures that allow free circulation of water under the wharf.	(M) CATSLC = [4 (pier (jetty)), 5 (promenade pier), 6 (wharf (quay)), 15 (solid face wharf), 16 (open face wharf)]
	K) If a structured external XML-file with more detailed communication information is available, the reference to the file has to be entered in the TXTDSC attribute.	(O) NATCON = [1 (masonry), 2 (concreted), 3 (loose boulders), 4 (hard surfaced), 5 (unsurfaced), 6 (wooden), 7 (metal), 8 (glass reinforced plastic (GRP))]
	L) If the ISRS code is available, it has to be encoded (refer to General Guidance section H).	(M) WATLEV = [1 (partly submerged at high water), 2 (always dry)]
	M) The class of dangerous goods in accordance with ADN and CEVNI: 1 (one blue light / cone, CEVNI signs E.5.5, E.5.9, E.5.13), 2 (two blue lights / cones, CEVNI signs E.5.6, E.5.10, E.5.14), 3 (three blue lights / cones, CEVNI signs E.5.7, E.5.11, E.5.15), 4 (no blue lights / cones, CEVNI signs E.5 4, E.5.8, E.5.12). Dangerous goods in accordance with inland waterway regulations of the Russian Federation: 5 (one red light/cone top down).	(M) SCAMIN = [45000 (A), 22000 (L) or use SCAMIN formula to calculate value] (C) SORDAT = [YYYYMMDD] (C) SORIND = (Refer to Section B, General Guidance)