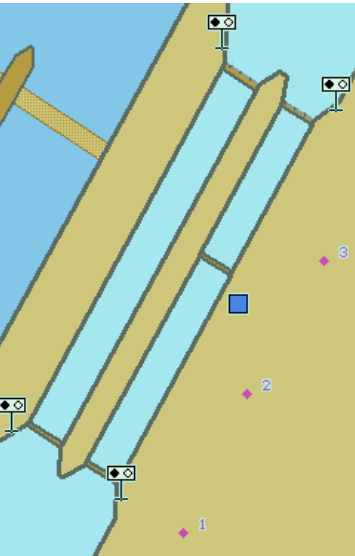## G.4 Locks, Barrages, Exceptional Navigational Structures

G.4.3 Lock Basin (M)

A lock basin is a wet dock in a waterway, permitting a ship to pass from one level to another. (adapted from IHO Dictionary, S-32, 5th Edition, 2881)

Graphics	Encoding Instructions	Object Encoding
Real World *IENC Symbolization* 	A) The object class 'lokbsn' must be covered by a DEPARE. B) If the usable horizontal clearance of length and width are distances which are provided by the competent authority for safe navigation, they must be encoded with 'horccl' and 'horclw'. C) The minimum physical length and width given by the building itself must be encoded with HORLEN and HORWID D) All objects of one lock must be combined to one aggregation area (C_AGGR), e.g. - lock walls - notice marks - two way route parts - communication area - lock basin - lock basin parts - lock gates - bridges - lock name - fenders - ice breakers - vertical clearance indicators - signal stations - radio call-in points - overhead cables and plpelines E) The ISRS code of a lock is assigned to each single lokbsn object (refer to General Guidance section H) F) If the lock basin has a special time schedule or special operating hours apply, the object can be combined with a time schedule. For this purpose please refer to the time schedule (general) object 'tisdge'	**Object Encoding** **Object Class =** lokbsn(A) (M) horcll = [xxx.xx] (metres), e.g., 136.12 (M) horclw = [xxx.xx] (metres), e.g. 25.17 (O) HORLEN = [xxx.xx] (metres), e.g. 133.22 (O) HORWID = [xxx.xx] (metres), e.g. 133.22 (C) unlocd = [ISRS code] (O) TXTDSC = (Refer to letter G) (O) OBJNAM = [Lock chamber name] (O) NOBJNM = (Refer to Section B, General Guidance) (O) CONDTN = [1 (under construction), 2 (ruined), 3 (under reclamation), 5 (planned construction)] (M) SCAMIN = [EU: 12000; US: 30000] (C) SORDAT = [YYYYMMDD] (C) SORIND = (Refer to Section B, General Guidance) **Object Encoding** **Object Class =** C_AGGR() (M) OBJNAM = [name and/or operator/owner] (O) NOBJNM = (Refer to Section B, General Guidance) (O) TXTDSC = (Refer to letter G) (C) unlocd = [ISRS code] (C) SORDAT = [YYYYMMDD] (C) SORIND = (Refer to Section B, General Guidance)

	(T.1.1) G) 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.	