



# Q - Radar, Radio, Electronic Positioning

## Q.2 Radio

### Q.2.1 Radio Calling-in Point (M)

Also called radio reporting points, they have been established in certain busy waterways and port approaches to assist traffic control. On passing these points or crossing a defined line vessels are required to report on VHF to a Traffic Control Centre. (adapted from IHO Chart Specifications, M-4)

Graphics	Encoding Instructions	Object Encoding
<p><i>Real World</i></p>  <p><i>IENC Symbolization</i></p> 	<p>A) If it's not a one-way route use TRAFIC = 4 two-way in general. Use inbound (upstream) and outbound (downstream), if the obligation to report applies only to one direction of traffic.</p> <p>B) The attribute ORIENT (orientation) is used to point in the direction of impact and enables to fix the pointer of the symbol</p> <p>C) COMCHA (communication channel) has to be used. The attribute "communication channel" encodes the various VHF-channels used for communication. Each VHF-channel should be indicated by 2 digits and up to 2 characters (A-Z); e.g., VHF-channel 7 -&gt; 07', VHF-channel 16 -&gt; &gt;16'; The indication of several VHF-channels is possible.</p> <p>D) 'catcom' should always be used.</p> <p>E) The use of line objects crossing the waterway is preferred, but it is not allowed to encode two different 'rdocal' objects on the same spatial line geometry.</p> <p>F) 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.</p> <p>G) A communication area should be encoded where relevant.</p> <p>H) This feature could be aggregated to a lock, bridge or communication area, etc. by a C_AGGR object.</p>	<p><b>Object Encoding</b></p> <p><b>Object Class</b> = rdocal(P,L)</p> <p>(M) TRAFIC = [1 (inbound), 2 (outbound), 3 (one-way), 4 (two-way)]</p> <p>(M) ORIENT = [unit: degree (°)]</p> <p>(M) COMCHA = [[XXXX];[XXXX];...]</p> <p>(M) catcom = [1 (VTS centre), 2 (VTS sector), 3 (IVS point), 4 (MIB), 5 (lock), 6 (bridge), 7 (custom), 8 (harbour)]</p> <p>(O) TXTDSC = (Refer to letter F)</p> <p>(M) OBJNAM = (name and/or operator/owner)</p> <p>(O) NOBJNM = (Refer to Section B, General Guidance)</p> <p>(C) unlocd = [ISRS code]</p> <p>(M) SCAMIN = [EU: 12000; US: 22000]</p> <p>(C) SORDAT = [YYYYMMDD]</p> <p>(C) SORIND = (Refer to Section B, General Guidance)</p>