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INLAND TRANSPORT COMMITTEE

Working Group on Inland Water Transport

Working Party on the Standardization
of Technical and Safety Requirements
in Inland Navigation

(Twentieth session, 7-9 June 2000,
agenda item 4)

**RECOMMENDATIONS ON TECHNICAL REQUIREMENTS FOR
ELECTRONIC NAVIGATIONAL SHIPBOARD EQUIPMENT AND
ITS INSTALLATION ON BOARD SHIPS**

Addendum 1

Transmitted by the Government of Ukraine

1. The views of the Government of Ukraine regarding the proposals made by the Russian Federation (TRANS/SC.3/WP.3/1999/19) may be summarized as follows.
2. Article 6.32 of CEVNI provides fairly full specifications of the conditions under which a vessel can be considered to be navigating by radar, and there is little point in specifying the degree to which a vessel should be equipped with radar sets depending on its size and where it navigates.

3. We can agree with the proposed wording of section 11-3 (“Radar equipment and rate-of-turn indicator”) of the annex to resolution No. 17, revised, with the following exceptions in paragraph 11-3.8:

(a) The minimum range of detection should be not 15 m, but 8-10 m: this is especially important for river vessels operating in narrows. Under these conditions a minimum range of 15 m is too large. When a vessel has to pass within 5 to 10 m of a navigation buoy or the bank, with a minimum range of detection of 15 m the boatmaster might be unable to see on his radar screen objects that were dangerously close.

(b) Angular resolution of up to 1° is acceptable for river vessels (capacity up to 2,000 register tons).

(c) Distance resolution of 15 m at scales of 0.5-1.6 km is not acceptable since passive radar reflectors are mounted on bridge piers on booms 10 to 12 m long (so as to show each span as a separate signal on the radar screen). With a distance resolution of 15 m, in poor visibility the boatmaster would be unable to distinguish the bridge spans by radar since the traces from the radar reflectors would merge on the radar screen with the image of the bridge. We therefore propose the following wording: “Distance resolution: 10 m at scales of 0.5-1.6 km” (then continue with original text).
