

From: IALA
To: IEC TC80 WG17

C80-12.3.1

LIAISON NOTE

Proposed change to IEC 63173-1

1 INTRODUCTION

At the 55th Session of the VTS Committee, work was conducted on a technical service specification for route exchange between VTS and vessel. This service is intended to utilise S-421 (IEC 63173-1). An element of this service is the acknowledgement of a route, which the VTS has received from the vessel. However, it seems that when using S-421, such an acknowledgement cannot be communicated back to the vessel, without sending the whole route back to the vessel as well. It is therefore proposed that it should be possible only to send an acknowledge message without any additional information.

The issue

The current object diagram of S-421 requires that it includes at least *RouteInfo* and *RouteWaypoints*. Regardless of whether long routes with a high and complex amount of *RouteWaypoints* or whether simple and shorter routes with *RouteInfoStatus* are being sent, the required bandwidth that is being used is very high as the whole route is included and this should be minimized. The same issue on bandwidth also arises when the ship is sending a route with *RouteInfoStatus Terminated*.

Proposed change

The complete routes should not be included in all messages. The XML schema allows the creation of a route with only *RouteInfo* provided. Changing the documentation and object model to reflect the valid XML would solve this issue. Example A.2 in Annex A should also make it implicit that in the case of *Acknowledgment*, the other elements of the route should not be sent.

2 ACTION REQUESTED

IEC TC80 WG17 is requested to consider the proposed changes to IEC 63173-1 and provide any feedback to the IALA VTS Committee.