**ABSTRACT SUBMISSION**

**Topic No. :** 6. Resilient PNT (eLoran)

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**ABSTRACT**

Title: Development of eLoran Almanac Product Specification

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Abstract: IALA decided to develop S-100 based product specifications on PNT for having common protocol to exchange or manage the information. IALA and KRISO developed the S-240 which is product specification on DGNSS station almanac and verified. IALA and KRISO also have the plan to develop the eLoran product specification which include S-245 (ASF data), S-246 (eLoran transmitter stioan), 247 (differential Loran reference station).

In this paper, we develop the S-246 and 247 based on IALA guide line 1106 and verify it. IALA Guideline 1106 is intended to provide an overview of the development process and be a step-by-step guideline from the data modelling to the actual production of a product specification. For developing product specification, we capture the required information of S-246, S-247 refer to RTCM SC 127 Minimum Performance Standards (MPS) for Marin eLoran Receiving Equipment. Model design is carried referring the analyzed results of capturing the requirements information. The capturing the requirements results should be presented as spread sheet and modelling results should be presented as application schema. Finally, we create a test datasets on S-246, S-247 and verify our results of product specification.

Our results expect that it will be have optimistic effect on data exchange, receiver processing, operation and managing of eLoran system.