Input paper: [[1]](#footnote-1) ENG9-10.0

Input paper for the following Committee(s): check as appropriate Purpose of paper:

**□** ARM **X** ENG **□** PAP **□** Input

**□** ENAV **□** VTS **x** Information

Agenda item [[2]](#footnote-2) 10

Technical Domain / Task Number 2 …………………………………

Author(s) / Submitter(s) WG3 Chair & Vice Chair

WG3 – Radionavigation Services (PNT)

Plan for ENG9

# Summary

This paper provides a brief overview of the main work items that will be addressed by WG3 Radionavigation services during ENG9.

## Purpose of the document

To enable Committee members to understand the aims and objectives of WG3 for this meeting so they can plan their attendance and prepare accordingly.

## Related documents

* IALA strategy
* ENG Committee Task Plan (ENG9-7.1)
* ENG Work Programme task register (ENG9-7.2)

# Work items

The main work items for WG3 at ENG9 (second session of this work period) are shown in Figure 1 with a greater explanation provided below. As always, this looks to be a busy week.

## Resilient PNT

At ENG8 the WG developed a Recommendation on resilient PNT which was approved by Council. Subsequent work to develop a Guideline that offers assistance on what resilience means, how it can be achieved and the potential impact of interference and spoofing events should be developed.

## Terrestrial Radionavigation systems

During this meeting, the first draft of a new recommendation on the provision of terrestrial Radionavigation systems should be developed.

## R-Mode

There are a number of work items under this topic, including the development of new Guidelines to support R-Mode MF and AIS/VDES. However, the most pressing activity under this topic is the workshop that is being planned for September this year. Please consider your attendance at this workshop and the main technical questions you’d like to see addressed.

## S-200 product specifications

At ENG08 Committee members were invited to review two of the draft product specifications in development (S-246 and S-247). Therefore any comments received for these will be reviewed along with any further updates on the remaining S-245 eLoran ASF data product specification.

## Radar & Racon positioning

At ENG8 the WG received feedback from CIRM on the use of racons in busy harbours. The WG agreed to seek support from ARM before responding. ARM has provided an input to his meeting which will need to be reviewed and a response to CIRM written. Time will be required to review racon and radar documents and to consider a new guideline to support enhanced racons (eRacons).

## SBAS

The outstanding work on this topic should be scoped and started during this meeting.

## DGNSS Guidance

Two new tasks were introduced at ENG8 to develop guidance for service providers wishing to maintain differential services and also to those wishing to use the infrastructure for new services. These recommendations should be scoped during this meeting.

## Augmentation for maritime

A draft recommendation was developed and reviewed at ENG8 with the plan for this to be updated for review at this meeting.

## High accuracy systems

Review where we are and plan what needs to be done over the next few sessions.

## Monitoring of developments in PNT relevant areas; Liaison with IMO and other bodies.

There will be an opportunity to provide updates on any related topics of interest and discussions with IMO or other bodies. Members with updates or comments/presentations they would like to give are invited to contact the Chair and Vice Chair as soon as possible so that it can be planned into the schedule.

## IALA Position on the development of AtoN services

At ENG8 the WG reviewed this document, however it came to light that the version we reviewed was not the latest version. Therefore we may be invited to review the latest version during this session.

## Document updates

The WG has an ongoing task to review and consolidate all of the documents related to PNT. This work will be split amongst WG members.

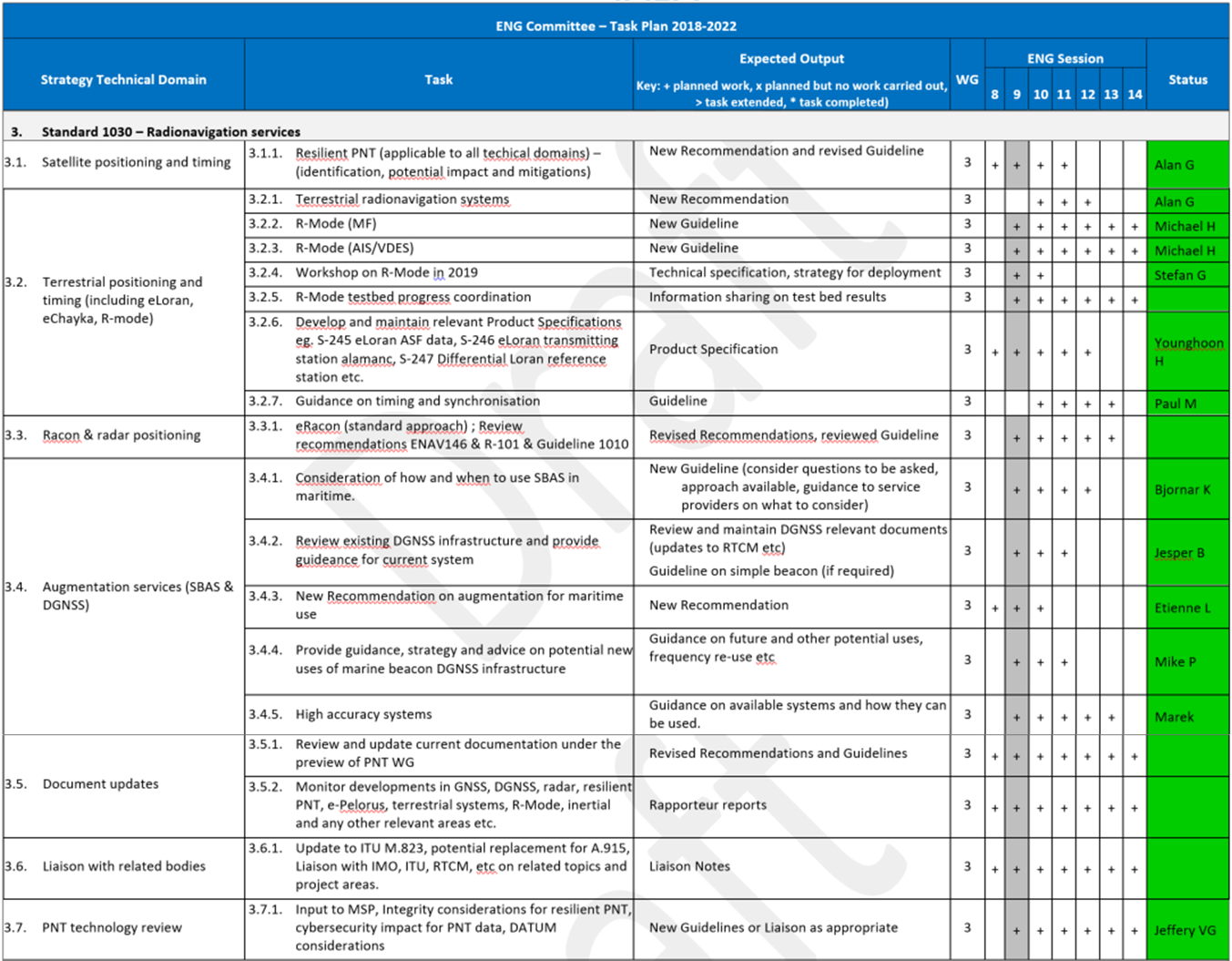


Figure : WG activities extracted from the committee work plan with activities for this session highlighted

# Plan for the week

The following plan for the week is indicative and may be amended following the plenary. Also, depending on the number of people interested in each document being considered, some work may take place consecutively, rather than concurrently.

|  |  |  |
| --- | --- | --- |
|  | Morning | Afternoon |
| Monday |  | Plenary |
| Tuesday | Introduction and welcome  Review Plan for week  Review and amend work plan  Review actions from the last meeting | Break into drafting groups |
| Wednesday | drafting groups | drafting groups |
| Thursday | Report from working groups  Draft meeting report | Open discussion period, information updates and any other ad-hoc actions. |
| Friday | Plenary |  |

# Action requested of the Committee

The Committee is requested to:

* Take note of the intended work of the WG, read submitted papers in advance and plan their attendance accordingly.
* Please let the Chair/Vice Chair know of any other items they would like to discuss.

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Leave open if uncertain [↑](#footnote-ref-2)