Input paper: [[1]](#footnote-1) ARM13-8.4.5

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

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

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

Agenda item [[2]](#footnote-2) 8.4

Technical Domain / Task Number 2 Working Group 2 / Task X.X

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Update and Plan of S-201 test bed

# Summary

## Purpose of the document

Korea has developed the S-201 test bed and reported to the ARM Committee. This document describes the major updates since the ARM12.

## Related documents

* Update of S-201 test bed

# Background

IALA ARM developed the S-201 Aton product specification. Korea has improved the S-201 test bed to test the concept of the product specification and discuss the service for the provision of Aton information.

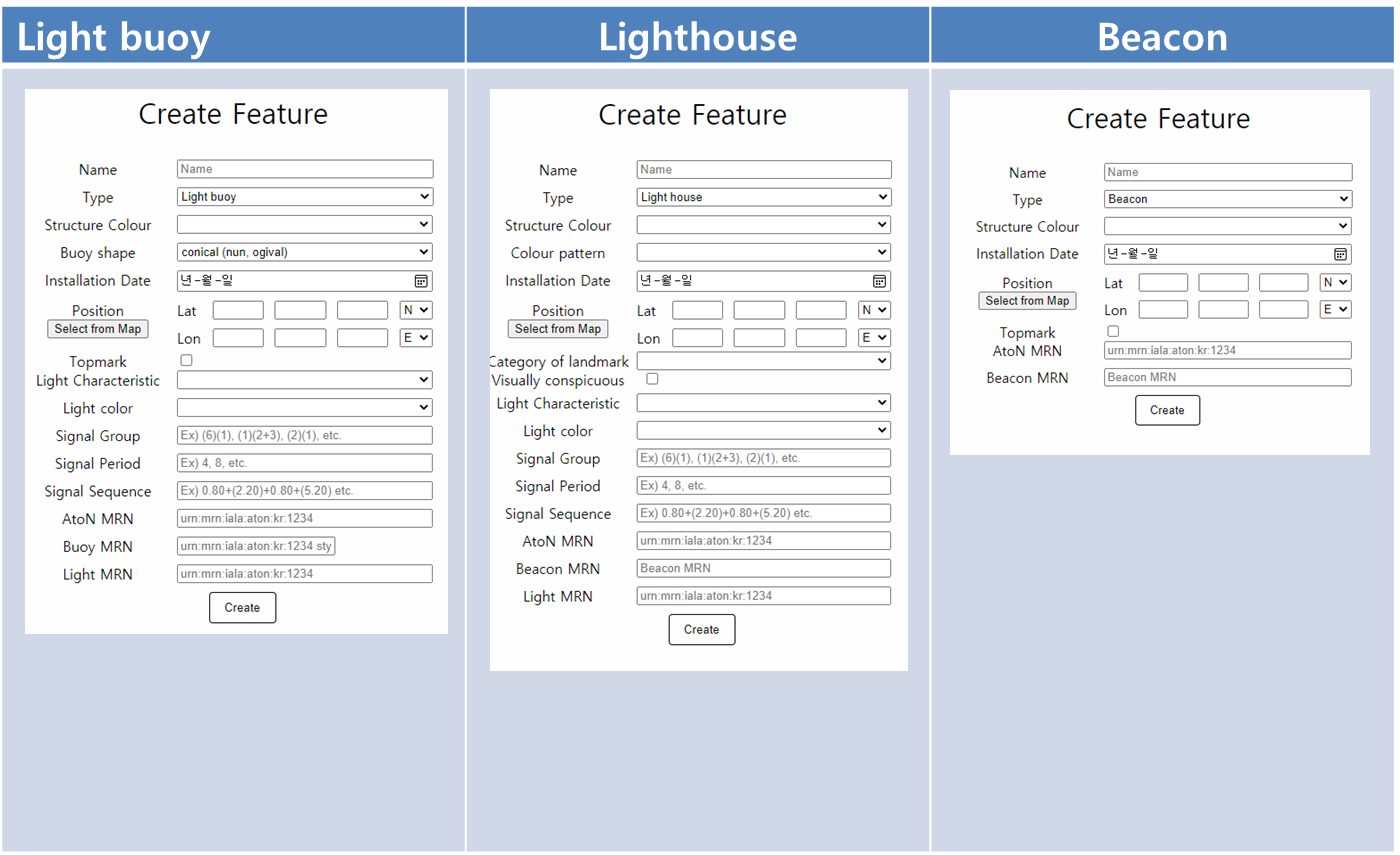
# Discussion

## Update of S-201 test bed

S-201 test bed supported to encode Aton data by spread sheet and GML file. In addition to the encoding, input function of Aton information through web interface was developed after the ARM12. Below is the major updates.

* Input interface for S-201 feature types
* Selection of feature type based on shape and colour of Beacon
* Selection of feature type based on shape and colour of Buoy
* Easy input of Aton position by map function
* Relationship between structure feature and equipment feature

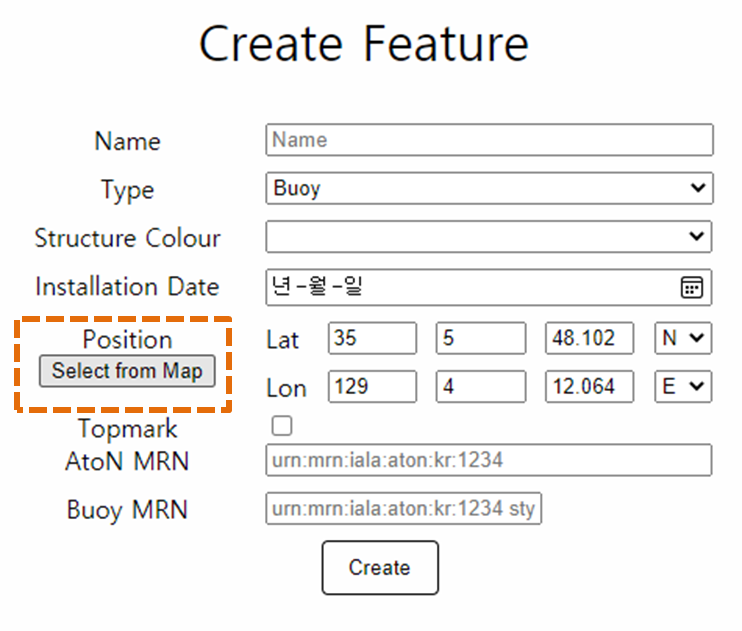
Below figure shows the input interface for Aton feature types



Below shows the selection function of related feature type based on the shape and colour of Buoy and Beacon.

|  |  |
| --- | --- |
|  |  |

The input of Aton position like Lat and Long is tricky, so Easy input of Aton position by map function was developed. Below shows the function.



In addition to the updates described above, several functions have been developed to support testing the S-201 product specification.

## Sharing source code of the S-201 testbed

As reported in the last ARM committee meeting, Korea decided to share source code of the S-201 testbed and the storage is as follows. If you visit the address, the code can be available. Korea hopes for the interested group to be involved and improve it jointly.

* https://github.com/prost-git/s200-testbed

For considerations to use the source code, the test bed is developed to operate with the PROST database. If the user want to use own database, the DB schema should be updated to the GitHub. There are pivot position and display of symbol as the technical issues and those issues will be solved later.

## Future plan

IALA ARM started to discuss the S-125 development and will cooperate with the IALA ENAV to develop the technical service specification. Korea will monitor the discussion of service development and try to apply the service concept. The update would be reported to the next ARM meeting.

# Action requested of the Committee

The Committee is requested to:

1. Note this paper
2. Try the S-201 test bed
3. Provide any comments on the future plan

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