**NIPWG8-09.1**

## Paper for Consideration by NIPWG

## Summary of Progress for S-131

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| ***Submitted by:*** | S131 development subgroup |
| ***Executive Summary:*** | Update on progress on S-131 development |
| ***Related Documents:*** | S-100, S-131 |
| ***Related Projects:*** |  |

## Introduction / Background

## Analysis/Discussion

The activities of the S-131 development team have centred around the following:

* C**o**nsolidating the work done from an earlier modelling brainstorm, summarised in a spreadsheet, into an Enterprise Architect UML model. The current iteration of this model (v2.0) is a direct transcription of the spreadsheet content
* The gathering of feedback from stakeholders on the content of the model in respect of their publications.
* The assessment of the feedback received.

Following an initial (v1.0) of the model, produced as a transcription of the spreadsheet was uploaded to the NIPWG website and used as the basis for the review. Prior to the review, the group (and model input) has been split into three functional areas, reflecting a logical division between the different areas of the domain. These three areas are:

* Port/Harbour Layout
* Physical Infrastructure
* Services – Non-physical Infrastructure

## The initial (1.0) of the model was then updated to form a v2.0 which included the following updates:

* A hierarchy of types which encompasses the information type relationships defined in the original spreadsheet
* Types and multiplicities, assumed from other S-100 products where possible.
* A split into three individual packages reflecting the partition of the features into the three categories for simplicity of development that will work together cohesively in the final model.

This version is viewable in HTML form at the following URL (and will be uploaded imminently to the NIPWG wiki): <http://3.10.54.64/f61367edc6ef9ffa928d25168cf47245/v7/>

The group has met periodically over the last few months. The Port/Harbour layout group has had two meetings to elicit input and assess the stakeholder feedback. These meetings have been supplemented by requests for feedback for the infrastructure elements and services. UNH are collating all the feedback into harmonised input to the model.

Particular note should be made of the IHMA input received, requesting early confirmation of the inclusion and form of features representing:

* Terminal
* Berth
* Berth Position.

The reason for prioritising these features is so that initial data population by members can progress. These features have been documented in the existing IHMA publication, the Port Information Manual and an extract has been uploaded to the NIPWG wiki and to the S-131 subgroup members. The last meeting of the Port/Harbour Layout group considered these items in more detail and a number of recommendations were made for their consistent inclusion in the model.

Many comments have been received by group participants concerning areas of the model and its detailed content. These are currently being collated and a set of proposals will be output from that exercise and used as the basis for further development of the model in future subgroup meetings.

## Conclusions

## Recommendations

## Action Required of NIPWG

The NIPWG is invited to:

1. Consider the report and the current status of IHO S-131
2. Note the continued involvement of a number of key participants including member states, IHMA representatives and industry.