Agenda

1 | Previous Status

2 | Current Status

3 | Collaboration Platform

4 | Contribution & Development Framework

5 | Pilot No.1

6 | Next Steps

Hapag-Lloyd

Results from last Meeting (Oct. Hamburg)

- **Several face-to-face meetings took place**

- **Agreed on the technical framework**

- **First draft of the technical guideline finished**

- **Identified use cases and added value**

- **Work on first pilot will start**

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Current Status

- **First pilot created (alpha version)**

- **Contribution Framework**

- **Collaboration Platform – Slack**

- **Data Model / Data Dictionary / Entity Model**

- **Further Development and Development Concept**

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Collaboration Platform - Slack

- **Free to use Slack platform established**

- **This will allow SMDG to constantly develop and discuss topic outside of SMDG conference or subgroup meetings**

- **Slack: Whatsapp-like chat application, useable via browser, mobile app and desktop app. Free to use with restricted functionality.**

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● Tamme Bohlen

🔍 All Threads

Channels ⊕
general
random
web-service-api

＋ Add a channel

Direct Messages ⊕
♥ slackbot
● Tamme Bohlen (you)

＋ Invite people

Apps ⊕

#web-service-api
☆ | 👤 1 | 📵 0 | ✏️ Add a topic

web-service-api

You created this channel today. This is the very beginning of the # web-service-api channel

✏️ Set a purpose   ＋ Add an app   👤 Invite others to this channel

Today

Tamme Bohlen 10:45 AM

Contribution Framework

- **Everyone is welcome to contribute**

- **resource incl. description**

- **Use case description: Who, What, Why**

- **Resource (Data Model) Suggestion with Description**

- **Attribute Description ('Data Dictionary')**

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Development Concept

- **No Waterfall, but agile development**

- **Adapt to changing requirements**

- **Versioning**

- **Build up 'Data Model' and 'Data Dictionary' step by step**
  - **How to define a Container? Vessel? Booking?**

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Pilot No.1: Impending Container Booking API

Swagger Editor
Supported by SMARTBEAR

File ▼   Edit ▼   Generate Server ▼   Generate Client ▼

```yaml
1  swagger: '2.0'
2  info:
3    title: Impending Container Booking API
4    description: <b>SMDG Standard (Alpha Version)</b> <p/>Alpha version of the Impending
       Container Booking API. With this API terminals can request lists or single impending
       containers from carriers or shippers. Carrier and shipper are also able to submit
       impending container bookings.
5    version: 0.0.1
6    contact:
7      email: tamme.bohlen@hlag.com
8  host: api.example.com
9  basePath: /a1
10 tags:
11 - name: Impending Container Booking
12   externalDocs:
13     description: "More info"
14     url: http://smdg.org
15 schemes:
16   - https
17 paths:
18   /impendingContainerBooking:
19     post:
20       tags:
21       - Impending Container Booking
22       summary: Submits impending container bookings.
23       description:
24         Impending container bookings can be selected by container number, booking
           references, schedule voyage number or a combination of these.
25       operationId: addImpendingContainerBooking
26       consumes:
27         - application/json
28       produces:
29         - application/json
30       parameters:
31       - in: body
32         name: body
33         description: Impending Container Booking to be added
```

Impending Container Booking API 0.0.1

[Base URL: api.example.com/a1]

SMDG Standard (Alpha Version)

Alpha version of the Impending Container Booking API. With this API terminals can request lists or single impending containers from carriers or shippers. Carrier and shipper are also able to submit impending co bookings.

Contact the developer

Schemes

HTTPS ⌄

Impending Container Booking   More info: http://smdg.org

POST	/impendingContainerBooking	Submits impending container bookings.
PUT	/impendingContainerBooking	Update an existing Impending Container Booking
DELETE	/impendingContainerBooking	Deletes an Impending Container Booking

Next Steps

- **Further work on SMDG Technical Web Service API Guideline**

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Next Steps

- **Further work on SMDG Technical Web Service API Guideline**

- **Identify/Collect more use cases**

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Next Steps

- **Further work on SMDG Technical Web Service API Guideline**

- **Identify/Collect more use cases**

- **SMDG Website API Portal**

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https://api-test.hlag.com/hlag/pub

PRODUCTION   DEVELOPMENT

cURL   Ruby   Python   PHP   Java   Node   Go   Swift

FIS3-Shipment 0.1

APIs

FIS3 Shipment - Shipments 0.1

Operations

GET /v1/shipments

GET /v1/shipments/{num...

Definitions

Document

RoutingInformation

Shipment

ShipmentPartyFunction

Paths

/v1/shipments

GET /v1/shipments

shipment

Summary

Returns Shipments according to query parameter

Security

X-IBM-Client-Secret   (apiKey located in header)   Client secret

X-IBM-Client-Id   (apiKey located in header)   Client ID

Parameters

shipment_number

Optional in *query*

string

Example Request

```
curl --request GET \
  --url 'https://api-test.hlag.com/hlag/pub/fis3/ship
ber=REPLACE_THIS_VALUE&container_number=REPLACE_THIS_
VALUE&invoice_number=REPLACE_THIS_VALUE&limit=20&offs
  --header 'accept: application/json' \
  --header 'authorization: REPLACE_THIS_VALUE' \
  --header 'x-ibm-client-id: REPLACE_THIS_KEY' \
  --header 'x-ibm-client-secret: REPLACE_THIS_KEY'
```

Example Response

Definition

GET https://api-test.hlag.com/hlag/pub/fis3/shipment/v

Response

```
[
  {
    "documentationCloseing": "2000-08-14T22:55:28.691
```

Next Steps

- **Further work on SMDG Technical Web Service API Guideline**

- **Identify/Collect more use cases**

- **SMDG Website API Portal**

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Next Steps

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- **Identify/Collect more use cases**

- **SMDG Website API Portal**

- **Collaboration via Slack**

73rd SMDG Meeting, February 14, 2019 in Rotterdam

Next Steps
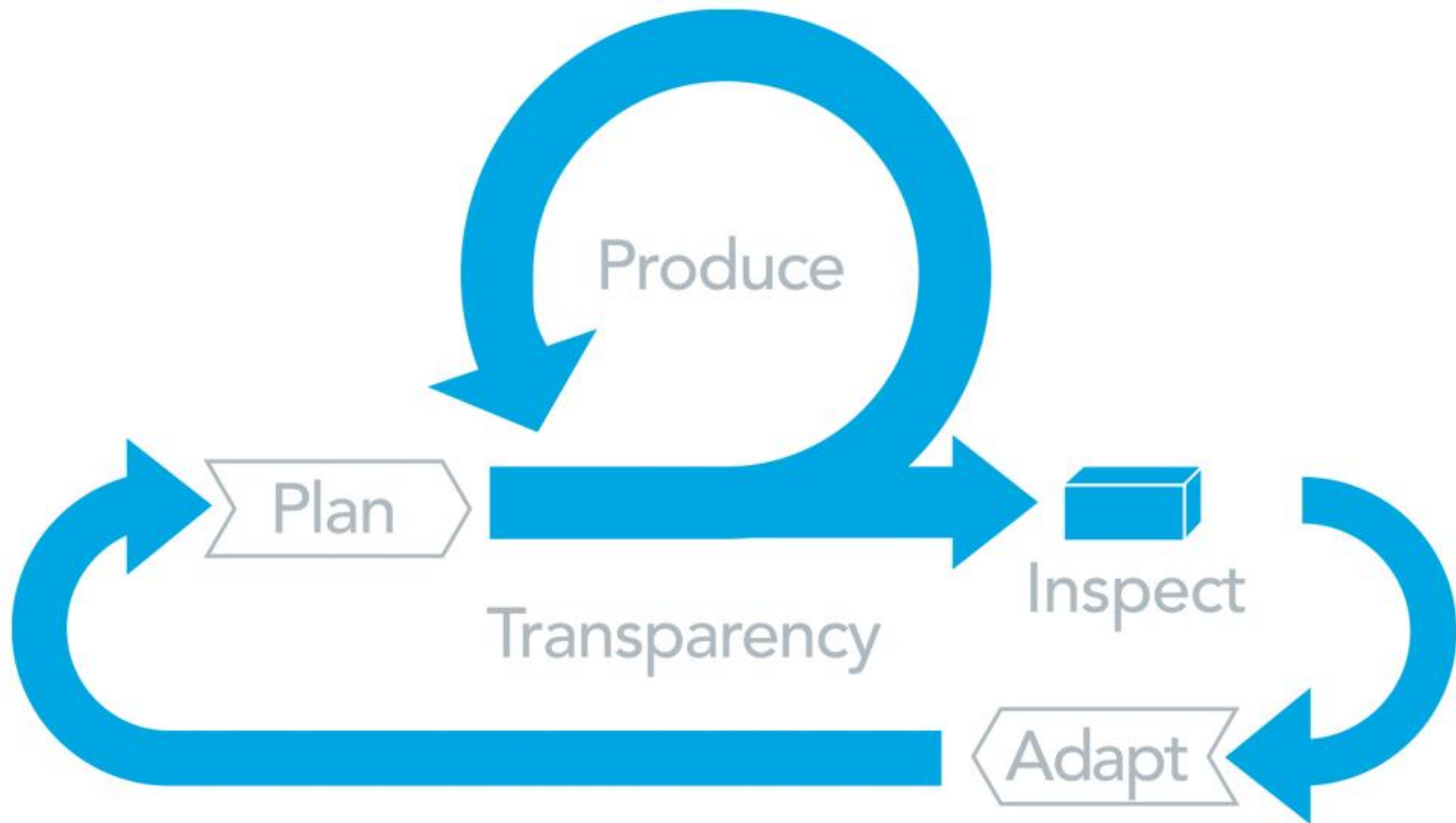
- **Further work on SMDG Technical Web Service API Guideline**

- **Identify/Collect more use cases**

- **SMDG Website API Portal**

- **Collaboration via Slack**

- **Next Process – M&R?**

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Produce

Plan

Transparency

Inspect

Adapt

Webservice Standardization by SMDG

Working group members

- Tamme Bohlen, Hapag-Lloyd (chair)

- Ray Schraff, Hyland Software (chair)

- Michael Schröder, Hapag-Lloyd

- Peter Horstkorte, Hapag-Lloyd

- Paul Wauters, PSA Terminal Antwerp

- Stephan Krause, Eurogate Terminals

- Hanane Becha, Traxens

- Mario Scimone, Contship Italia Terminals

- Sönke Witt, HHLA Hamburg Terminals

- Guy Van den Driessche, MSC

- Marcel Coumans, Portbase

tamme.bohlen@hlag.com

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Thank you
for your attention!