

VBS

Stack Run In



Web Service Test - Customer Engagement

Version Control

Version	Date	Author	Revision Details
0.1	02 Aug 10	John McLoughlin	Initial Version
1.0	28 Mar 13	Tan Nguyen	Enhancement

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1 PURPOSE

The purpose of this document is to outline steps to be undertaken prior to implementing VBS Stack Run In Web Service.

The document is intended to be used by Container Parks/Depots and 3rd party application developers testing Stack Run In messages with 1-Stop.

2 ENGAGEMENT PROCESS

Item Name	Owner	Schedule Date	Complete
1. Contact 1-Stop (Register for Testing)	Customer		
2. Create a case	1-Stop		
3. Send the Engagement Pack (Test Cases, Message Specification)	1-Stop		
4. Complete all Test Cases and Business Scenarios	Customer		
5. Sign-Off Testing	Customer		
6. Schedule Production date with Terminal/s	Customer/1-Stop		
7. Production sign-off	Customer/1-Stop		
8. Advise Customer Service Complete	1-Stop		

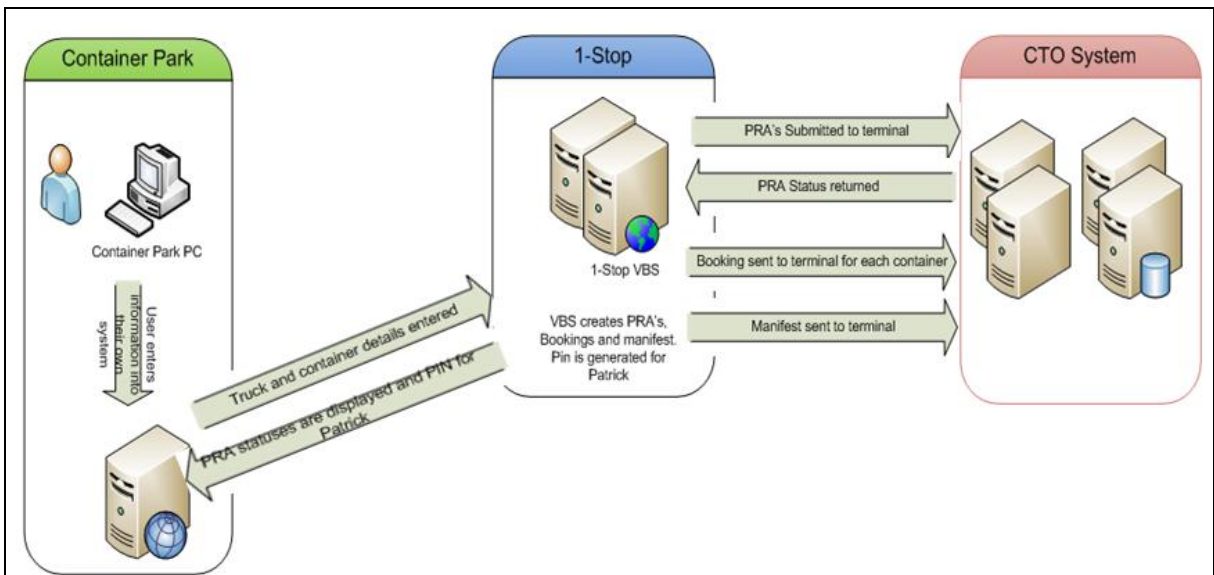
3 MAIN BUSINESS RULES

The Web Service replaces the process of keying this information into VBS. The data required for the messages is exactly the same as if the data was keyed into VBS.

The Web Service does not create or set up the Stack Run. This process must still be completed via the VBS screens.

4 CONTEXT DIAGRAM

4.1 Flow Diagram



5 CONFIGURATION DETAILS

5.1 1-Stop Web Service

<https://vbs.1-stop.biz/vbswebservices/StackRunInManifest.asmx>

(after September 2010)

StackRunInManifest

The following operations are supported. For a formal definition, please review the [Service Description](#).

- [CreateStackRunInManifest](#)
- [GetNumSlotsRemaining](#)
- [GetStackRunInDetail](#)

5.2 1-Stop WSDL

<https://vbs.1-stop.biz/vbswebservices/test/stackruninmanifest.asmx?WSDL>

5.3 Required Test Data

Valid data for testing VBS Stack Run Testing, use of these data elements will provide the tester with an ACCEPTED PRA.

Valid UserName:	wsTester
Valid Password:	wsTesting
Valid Containers:	Any container number/s
Valid VBSERNID:	Must contain a value
Mobile Phone #:	Must be 10 characters

Invalid data for testing VBS Stack Run Testing, use of these data elements will provide the tester with a REJECTED PRA.

Error Containers:	SUDU1381364 or SUDU1756964
Error VBSERIND:	1001 or 1002

5.4 Open Source Tool - SOAPUI

SoapUI is a freely available tool that can be easily found on the internet to assist with testing web services. A link to one of the open source providers of this software is below. 1-Stop cannot provide any further assistance in how to use SoapUI and users should familiarise themselves with the SoapUI help documentation.

SoapUI Link: <http://sourceforge.net/projects/soapui/>

5.5 Production Details:

The 1-Stop Web Service is access via the following URL:

<https://vbs.1-stop.biz/VBSWebservices/StackRunInManifest.asmx>

The soap envelope for all messages should have the following line:

[xmlns:stac=http://vbs.1-stop.biz/VBSWebservices/StackRunInManifest.asmx](http://vbs.1-stop.biz/VBSWebservices/StackRunInManifest.asmx)

6 XML EXAMPLES OF SAMPLE MESSAGES

6.1 Success Single Container

6.1.1 Request:

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:stac="http://vbs.1-stop.biz/VBSWebservices/StackRunInManifest">

  <soap:Header/>

  <soap:Body>

    <stac:CreateStackRunInManifest>

      <stac:UserName>wsTester</stac:UserName>

      <stac:Password>wsTesting</stac:Password>

      <stac:SRIManifestRequest>

        <stac:DateTime>2010-07-01T16:00:20</stac:DateTime>

        <stac:ReceiverID>CTLPB</stac:ReceiverID>

        <stac:Truck>

          <stac:TruckType>B</stac:TruckType>

          <stac:TruckReference type="REGO">FFJ541</stac:TruckReference>

          <stac:MSICNumber></stac:MSICNumber>

          <stac:TruckAttachment>N</stac:TruckAttachment>

        <stac:Containers>
```

```

<stac:SRIContainer>
  <stac:VBSEID>1008</stac:VBSEID>
  <stac:ContainerNumber>C S Q U 3 0 5 4 3 8 3</stac:ContainerNumber>
  <stac:ISO></stac:ISO>
  <stac:Position>2</stac:Position>
  <stac:Door>ANY</stac:Door>
  <stac:Attachments>
    <!--Zero or more repetitions:-->
    <stac:Attachment></stac:Attachment>
  </stac:Attachments>
</stac:SRIContainer>
</stac:Containers>
</stac:Truck>
<stac:SMSDetails>
  <stac:Flag>>false</stac:Flag>
  <stac:Mobile></stac:Mobile>
  <stac:SMSText></stac:SMSText>
</stac:SMSDetails>
</stac:SRIManifestRequest>
</stac:CreateStackRunInManifest>
</soap:Body>
</soap:Envelope>

```

6.1.2 Response:

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CreateStackRunInManifestResponse xmlns="http://vbs.1-
stop.biz/VBSWebservices/StackRunInManifest">

```



```

<CreateStackRunInManifestResult>
  <DateTime>2010-07-01T15:58:17.6804037+10:00</DateTime>
  <Status>ACCEPTED</Status>
  <Truck>
    <MovementID>10001</MovementID>
    <PIN>10101</PIN>
    <RunNumber>123</RunNumber>
    <Containers>
      <SRIRContainer>
        <VBSEID>1008</VBSEID>
        <ContainerNumber> C S Q U 3 0 5 4 3 8 3</ContainerNumber>
        <TimeSlotID>77288972</TimeSlotID>
        <PRA>
          <Status>ACCEPTED</Status>
        </PRA>
      </SRIRContainer>
    </Containers>
  </Truck>
</CreateStackRunInManifestResult>
</CreateStackRunInManifestResponse>
</soap:Body>
</soap:Envelope>

```

6.2 Success Multiple Containers

6.2.1 Request:

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:stac="http://vbs.1-stop.biz/VBSWebServices/StackRunInManifest">
  <soap:Header/>
  <soap:Body>

```

```

<stac:CreateStackRunInManifest>
  <stac:UserName>wsTester</stac:UserName>
  <stac>Password>wsTesting</stac>Password>
  <stac:SRIManifestRequest>
    <stac:DateTime>2010-07-01T16:00:20</stac:DateTime>
    <stac:ReceiverID>CTLPB</stac:ReceiverID>
    <stac:Truck>
      <stac:TruckType>B</stac:TruckType>
      <stac:TruckReference type="REGO">FFJ541</stac:TruckReference>
      <stac:MSICNumber></stac:MSICNumber>
      <stac:TruckAttachment>N</stac:TruckAttachment>
    <stac:Containers>
      <stac:SRIContainer>
        <stac:VBSEID>1008</stac:VBSEID>
        <stac:ContainerNumber> C S Q U 3 0 5 4 3 8 3</stac:ContainerNumber>
        <stac:ISO></stac:ISO>
        <stac:Position>2</stac:Position>
        <stac:Door>ANY</stac:Door>
        <stac:Attachments>
          <!--Zero or more repetitions:-->
          <stac:Attachment></stac:Attachment>
        </stac:Attachments>
      </stac:SRIContainer>
      <stac:SRIContainer>
        <stac:VBSEID>1009</stac:VBSEID>
        <stac:ContainerNumber> C S Q U 3 0 5 4 3 8 2</stac:ContainerNumber>
        <stac:ISO></stac:ISO>

```

```

    <stac:Position>2</stac:Position>

    <stac:Door>ANY</stac:Door>

    <stac:Attachments>
      <!--Zero or more repetitions:-->
      <stac:Attachment>AttachCont11</stac:Attachment>
    </stac:Attachments>
  </stac:SRIContainer>

</stac:Containers>
</stac:Truck>
<stac:SMSDetails>
  <stac:Flag>>false</stac:Flag>
  <stac:Mobile></stac:Mobile>
  <stac:SMSText></stac:SMSText>
</stac:SMSDetails>
</stac:SRIManifestRequest>
</stac:CreateStackRunInManifest>
</soap:Body>
</soap:Envelope>

```

6.2.2 Response:

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CreateStackRunInManifestResponse xmlns="http://vbs.1-
stop.biz/VBSWebservices/StackRunInManifest">
      <CreateStackRunInManifestResult>
        <DateTime>2010-07-01T16:14:23.7284037+10:00</DateTime>
        <Status>ACCEPTED</Status>
      </CreateStackRunInManifestResult>
    </CreateStackRunInManifestResponse>
  </soap:Body>
</soap:Envelope>

```

```
<Truck>
  <MovementID>10001</MovementID>
  <PIN>10101</PIN>
  <RunNumber>123</RunNumber>
  <Containers>
    <SRIRContainer>
      <VBSEID>1008</VBSEID>
      <ContainerNumber> C S Q U 3 0 5 4 3 8 3</ContainerNumber>
      <TimeSlotID>85495201</TimeSlotID>
      <PRA>
        <Status>ACCEPTED</Status>
      </PRA>
    </SRIRContainer>
    <SRIRContainer>
      <VBSEID>1009</VBSEID>
      <ContainerNumber> C S Q U 3 0 5 4 3 8 2</ContainerNumber>
      <TimeSlotID>18915327</TimeSlotID>
      <PRA>
        <Status>ACCEPTED</Status>
      </PRA>
    </SRIRContainer>
  </Containers>
</Truck>
</CreateStackRunInManifestResult>
</CreateStackRunInManifestResponse>
</soap:Body>
</soap:Envelope>
```

**** For the complete setoff Test Cases please refer to the attached Test Case Document.

7 STACK RUN IN TESTING

7.1 soapUI Testing

- Step 1** Download and install soapUI
- Step 2** Create new project give it a Name
- Step 3** Copy the WSDL ([WSDL Link](#))
- Step 4** Click OK
- Step 5** WSDL will install in soapUI
- Step 6** Expand StackRunInManifestSoap12
- Step 7** Expand CreateStackRunInManifest
- Step 8** Double Click on Request 1
- Step 9** Opens Blank Stack Run In Manifest soap envelope (Left Window)
- Step 10** Replace “?” with business data (from Test cases)
- Step 11** Execute test by clicking on Play Button (Submit Top Left)
- Step 12** Response Messages are displayed in Right Window.

Steps 7-12 can be repeated for GetStackRunDetail & GetNumSlotsRemaining

Repeat **Steps 10-12** for each Test Case and any unique business scenario

7.2 Application Testing (3rd Party)

- Step 1** Application needs to point to 1-Stops test stubbs ([Link](#))
- Step 2** User Name and Password for messages needs to be set to:
 - i. wsTester & wsTesting
- Step 3** Completed each Test Case through the application

Note: Only when all Test Cases have been tested will 1-Stop support production messages

7.3 Production Readiness for 3rd Party Applications

- Step 1** soapUI should also be install on 3rd Party Production environment
- Step 2** This will allow production messages to be tested without the application
- Step 3** This can be a critical step to problem solve messaging/communication issues.

8 RECOMMENDED TEST SCENARIOS

Test Scenario	Status
Create Successful Stack Run In Manifest: <ul style="list-style-type: none"> • Single container • Request with multiple containers 	
Invalid Username or Password	
VBSERNID does not exist	
Invalid Container	
Invalid ISO code	
Invalid Attached Container	
More than 8 Attached Containers	
Invalid Mobile Number	
Incorrect Receiver Code	
Invalid Receiver Code for a Valid VBSERNID	
Invalid Rego Number	
PRA Rejected by the Terminal	
Invalid VBSERNID	
Missing Container	

Manifest Too Many Containers	
Manifest the Same Container	
Manifest is after the Stack Run end time	
Unable to process. Manifest contains ERNs from multiple Stack Runs	
No Slots available in the Zone. Manifest for another TimeZone	
Truck Type is invalid for this terminal.	
TrailerPosition invalid	
TrailerSlotPosition invalid	
TrailerSlotPosition invalid for the container size.	
Truck Type and TrailerPosition mismatch.	
Invalid Timezone	

**** Above test plan covers the basic test scenarios only. See Test Case Document for additional details on tests. It is recommended to conduct more test scenarios before sign off.

9 NOTIFICATION TO THE TERMINALS

When testing has been completed please be advised that prior to going live Container Parks/Depots are required to inform both stevedores, Patrick and/or DP World terminals for approval.

Both Terminals require 5 working days notice before the go live date. Once dates are agreed on the live dates, and then please inform 1-Stop connection.

10 1-STOP CONTACT DETAILS

- **Customer Service/Helpdesk contact details**

Phone: 1300881055

Email: helpdesk@1-stop.biz

- **Testing**

Phone: 1300881055

Email: appsupport@1-stop.biz

11 CHECKLIST

Item Name	Owner	Complete
1. Stack Run In Testing - Form Received	1-Stop/Customer	
2. Engagement Pack sent to the Customer	1-Stop	
3. Testing Completed	Customer	
5. Signoff received	Customer	
7. Production sign-off	Customer/1-Stop	
8. Handover to 1-Stop Customer Service	1-Stop	