



# Sprint Web Services User Guide

---

## QueryNumberPorting Service

**Version:** 1.1

**Date:** 03/25/2012

# Table of Contents

<b>AUDIENCE.....</b>	<b>3</b>
<b>REVISION HISTORY.....</b>	<b>3</b>
<b>CONTACT INFORMATION.....</b>	<b>3</b>
<b>1 SERVICE OVERVIEW.....</b>	<b>4</b>
<b>2 WEB SERVICE OPERATION DETAILS.....</b>	<b>4</b>
<b>2.1 CHECKNUMBERPORTINGELIGIBILITY.....</b>	<b>7</b>
2.1.1 Input Parameters.....	7
2.1.2 Output Parameters.....	13
2.1.3 Sample Request Message.....	17
2.1.4 Sample Response Message.....	18
<b>2.2 QUERYPORTDETAILINFO.....</b>	<b>20</b>
2.2.1 Input Parameters.....	20
2.2.2 Output Parameters.....	22
2.2.3 Sample Request Message.....	27
2.2.4 Sample Response Message.....	28
<b>2.3 QUERYPORTINFO.....</b>	<b>29</b>
2.3.1 Input Parameters.....	30
2.3.2 Output Parameters.....	32
2.3.3 Sample Request Message.....	37
2.3.4 Sample Response Message.....	38
<b>2.4 QUERYSERVICEPROVIDERPORTFIELDMAPINFO.....</b>	<b>39</b>
2.4.1 Input Parameters.....	39
2.4.2 Output Parameters.....	40
2.4.3 Sample Request Message.....	41
2.4.4 Sample Response Message.....	42
<b>2.5 ERROR HANDLING.....</b>	<b>43</b>
<b>3 ERROR INFORMATION.....</b>	<b>44</b>
<b>3.1 SERVICE-SPECIFIC ERRORS.....</b>	<b>44</b>
<b>4 WSDL INFORMATION.....</b>	<b>45</b>
<b>5 DEFINITIONS AND ACRONYMS.....</b>	<b>45</b>
<b>6 REFERENCES.....</b>	<b>45</b>
<b>7 FEEDBACK.....</b>	<b>46</b>

## Audience

This document is designed to help Web Services consumers and application developers integrate their applications with Sprint Web Services. It details the functional and technical aspects of the Web Service interface, including the technologies utilized, the security approach, error handling procedures, and available support options.

## Revision History

Date	Version	Description	Author
07/22/2011	1.0	Initial version	Fernando C Filho
03/25/2012	1.1	Updated Contact Information	Fernando C Filho

## Contact Information

Source	Description	Email
Web Services Team	Functional/Integration/User Guide Issues	<a href="mailto:WebServices@sprint.com">WebServices@sprint.com</a>
Prod Support Team	Production Support Issues	<a href="mailto:eaipsall@sprint.com">eaipsall@sprint.com</a>

# 1 Service Overview

The QueryNumberPortingService include the following operations:

Operation	Description
CheckNumberPortingEligibility	This API is a query whereby 1 to 50 PTNs may be checked as to whether they are eligible to be ported-in.
QueryPortDetailInfo	Provides ability to obtain porting information on port in and port out request.
QueryPortInfo	This API requests information about port requests for a specific port in PTN.
QueryServiceProviderPortFieldMapInfo	The users can retrieve which port in request fields are required for a specified service provider by calling this API passing Service provider Id.

# 2 Web Service Operation Details

The QueryNumberPortingService contains the following operations:

- [CheckNumberPortingEligibility](#)
- [QueryPortDetailInfo](#)
- [QueryPortInfo](#)
- [QueryServiceProviderPortFieldMapInfo](#)

EligibilityCode and eligibilityMessage are for iDEN porting eligibility check

```
<tns:eligibilityCode>2</tns:eligibilityCode>  
  
<tns:eligibilityMessage>PTN is eligible for Porting  
In</tns:eligibilityMessage>
```

And it is true as you can see in

```
<tns:eligibilityResult>true</tns:eligibilityResult>
```

EligibilityCodeForCdma and eligibilityMessageForCdma are for non-iDEN and the MDN is not eligible

```
<tns:eligibilityCodeForCdma>5</tns:eligibilityCodeForCdma>  
<tns:eligibilityMessageForCdma>Rate Ctr/CSA not available for  
porting</tns:eligibilityMessageForCdma>
```

You also can see that the eligibility is limited to the iDEN network

```
<tns:networkInfo>  
  <tns:networkInd>I</tns:networkInd>  
</tns:networkInfo>
```

Had the MDN been eligible for only CDMA then netwrkInd would've been populated with 'C'. If for both iDEN and CDMA then populated with 'B'.

The good thing is the API retrieve both iDEN and CDMA eligibilityCode and eligibilityText from the same table. Here it is

1. PTN in CDMA Coverage Area
2. PTN is eligible for Porting In
3. PTN is eligible for porting in
4. Resume PTN. Within Market Aging Period
5. Rate Ctr/CSA not available for porting
6. PTN not open for porting
7. This PTN is on another Port In request
8. PTN from another SP marked as Sprint
9. This PTN is on a Port Out request
10. Ineligible due to table mismatch
11. The PTN is already active
12. Invalid Telephone Number. Re-enter PTN.
13. PTN and Area/Network not compatible
14. No Service Provider identified for PTN
15. Area code changing for all carriers
16. Area code changing for all carriers
17. The NPA is invalid. Re-enter PTN
18. Fleet capped. Enter another Area/Network.
19. PTN active. Internal migration required
20. Source or Target BAN must be Post Paid
21. Source or Target BAN must be Pre Paid
22. 2nd Line can't migrate-remove to proceed
23. Split bill must be removed to migrate
24. PTN not eligible for migration
25. PTN must first be resumed or retrieved

26. PTN must first be activated
27. Number Guard must be removed to migrate
28. Rate Ctr/CSA not eligible for migration
29. No available Resources. Submit a ticket
30. PTN is eligible for migration
31. PTN must be restored
32. PTN must be resumed
33. PTN must be activated
34. No coverage, PuertoRico or Affiliate Mkt
35. No available MSIDs. Please contact RM
36. Rate center not available
37. Migration to CDMA done via Swap Activity
38. PTN is on Sprint legacy Port In request
39. PTN is active on legacy Sprint system
40. PTN doesn't have iDEN coverage
41. CDMA PTN Active Perform Change Network
42. iDEN PTN Active Perform Change Network
43. SPID not open for porting
44. SP for the PTN is ineligible
45. NPA-NXX is in restricted CSA
46. PTN does not have ATA coverage
47. ATA PTN active Perform Change Network
48. CDMA PTN active Perform Swap
49. ATA PTN active Perform Swap

NOTE: Operations with enumerated types are case-sensitive and in some cases restricted. Values must match exactly as documented in the WSDL.

The following sections contain the details of each of these operations, including documentation on every input and output parameter.

They also contain sample SOAP request and response messages. Note that they are filled with test data that is unlikely to be available after publication of this document. Note also that these samples are unsigned (for readability), and actual messages sent to and returned from Sprint's Web Services Gateway should contain the Web Services Security element (`<wsse:Security>`) inside the SOAP Header (`<soapenv:Header>`).

## 2.1 CheckNumberPortingEligibility

This API is a query whereby 1 to 50 PTNs may be checked as to whether they are eligible to be ported-in. This API will evaluate every PTN submitted, and return results detailing the portability status of each. It will optionally also check to see if the PTN can be ported in the context of a particular Urban/FleetID.

### 2.1.1 Input Parameters

The input request to CheckNumberPortingEligibility API consists of two parts, the WSMessagesHeader V2 and the request data structure

#### trackingMessageHeader

Name	Details	Descriptions
consumerId	Required	The ID of the corporate entity or business unit from which this message originated (e.g. Corporation code or Portal applId).
applicationId	Required	The ID of the application within the corporate entity from which this message originated.
messageId	Required	A unique identifier for this message, to enable tracking, reporting, and correlation.
conversationId	Optional	Each message is part of a conversation between two or more systems in a given session. The Conversation ID is a UID, which can be used to group all messages exchanged within a session. This is field is primarily used for tracking, reporting, root-cause-analysis, and non-repudiation.
timeToLive	Required	Specifies how long in seconds this message is relevant after the message timestamp. The calling application can time-out after 'timeToLive' seconds.
messageDateTimeStamp	Required	The dateTimeStamp of when the message was created. This can be used for tracking and reporting and also by the consuming application to determine if the message is stale.

All front-ends must send a consistent value in MessageHeader structure in the API request message. This is the only way to identify which application is calling the API. This structure will be used for analysis, reporting and troubleshooting purposes. MessageHeader will start to be validated in future releases.

## checkNumberPortingEligibility

Name	Descriptions	Details
banInfo	Structure containing the BAN information	Structure Optional
mdnSearchList	Structure containing the MDN information	Structure Required

## banInfo

Name	Descriptions	Details
ban	Billing Account Number uniquely identifies an instance of Billing Account used to accrue charges for invoicing.	9 Integer Choice
subscriberId	The Subscriber Identifier is a string that uniquely identifies a subscriber.	20 String Choice
mdn	Mobile Directory Number (MDN) is the actual phone number one would dial to reach a specific mobile phone. Prior to Wireless Number Portability, MDN was the same number as the Mobile Identification Number (MIN) for many mobile phones. But now that MDNs can be ported (moved) to other carriers, MDN and MIN will be different for ported numbers.	10 String Choice
ufmi	Urban Fleet Member Identifier (UFMI) is the combination of the Urban Area Id, Fleet Id, and Member Id representing an address in a format recognized within iDEN Push-To-Talk (PTT) or Direct Connect. For example, a UFMI number of 500•600•700, translates to 500 is the Urban Area ID, 600 is the Fleet, and 700 is the Member.	23 String Choice
deviceSerialNumber	Equipment Serial Number is an identifier used by the device to communicate (broadcast) its identity to the wireless mobile network.  Equipment Serial Number is one of the following: Electronic Serial Number (ESN); Mobile Equipment Identifier (MEID); International Mobile Equipment Identifier (IMEI);	20 String Choice



	Subscriber Identify Module (SIM); Manufacturer Serial Number (MSN); Airave Media Access Control Identifier (MAC ID)	
ipAddress	An Internet Protocol Address is the numerical address by which a location in the Internet is identified. Computers on the Internet use IP addresses to route traffic and establish connections among themselves.	15 String Choice
imsi	International Mobile Subscriber Identity (IMSI) is a unique number associated with all GSM and Universal Mobile Telecommunications System (UMTS) network mobile phone users. It is stored in the Subscriber Identity Module (SIM) inside the phone and is sent by the phone to the network.	15 String Choice
nai	Network Access Identifier (NAI) is a standard way of identifying users who request access to a network.  The standard syntax is "user@realm".	64 String Choice
additionalImsi	International Mobile Subscriber Identity (IMSI) is a unique number associated with all GSM and Universal Mobile Telecommunications System (UMTS) network mobile phone users. It is stored in the Subscriber Identity Module (SIM) inside the phone and is sent by the phone to the network.	15 string Choice
hppttId	High Performance Push To Talk Identifier (HPPTTID) is the identifier of a Subscription using the QChat Push-to-Talk technology. HPPTTID is constructed in the username@domain URI format. The username will be an MDN or UFMI based number.	40 String Choice

## mdnSearchList

Name	Descriptions	Details
mdnSearchDetail	Data for a single Port Eligibility Check (PEC) . 1- 50 records.	Structure Required

## mdnSearchDetail

Name	Descriptions	Details
Mdn	<p>Mobile Directory Number (MDN) is the actual phone number one would dial to reach a specific mobile phone.</p> <p>Prior to Wireless Number Portability, MDN was the same number as the Mobile Identification Number (MIN) for many mobile phones. But now that MDNs can be ported (moved) to other carriers, MDN and MIN will be different for ported numbers.</p>	<p>10 String Required</p>
urbanFleet	Structure containing the urban and fleet information of the requested PTN number	<p>Structure Optional</p>
shippingInfo	Structure identifying the shipping delivery details.	<p>Structure Optional</p>
subBrandInfo	Structure containing Sub-brand information	<p>Structure Optional</p>
internalLrnInfo	Structure containing Internal LRN information – should be populated only when internal LRN information is required	<p>Structure Optional</p>
prepaidInfo	Structure containing prepaidInd information – should be populated only when perpaidInd information is required.	<p>N/A Structure Optional</p>
simplePortInd	<p>Simple port indicator Y – Simple port N – Non-simple port Defaults to N when not sent</p> <p>Note: this indicator should not be sent in WS since all WS ports are simple ports</p>	<p>1 String Optional</p>

## urbanFleet

Name	Descriptions	Details
urbanId	Urban Area Identifier identifies an urban area in the UFMI. It is the first element of the DirectConnect UFMI number. The format of the UFMI number is: Urban Area Id•Fleet Id•Member Id. Example 164•100•3441.	7 Int Required
fleetId	Fleet Identifier is the second element of the DirectConnect UFMI number. The format of the UFMI number is: Urban User Id•Fleet Id•Member Id. Example 164•100•3441	7 Int Required

## shippingInfo

Name	Descriptions	Details
numberDeliveryDays	Shipping delivery number of days	2 String Choice
vendorCode	Shipping vendor code	5 String Choice

## subBrandInfo

Name	Descriptions	Details
subBrand	Valid values: 'CMU' 'CPG' Eligibility rules for CDMA MU/PAYGO based on a restricted range of CSAs logic. Any other value (even not existing sub brand) – CDMA MU/PAYGO rules won't be performed.	3 String Required

## internalLrnInfo

Name	Descriptions	Details
internalLrnInd	Contains LRN indicator Valid values: "true" "false"	5 Boolean Required

## prepaidInfo

Name	Descriptions	Details
checkPrepaidInd	Indicate if the prepaidInd will be returned in the response.	Boolean Required

## 2.1.2 Output Parameters

Name	Values	Details	Descriptions
Faultcode	Fault code, e.g. "Client.804	20	String
Faultstring	Fault reason text e.g., "Server 804: System Exception".	100	String
Faultactor	Shall have the MessageNumber returned from Amdocs for an exception	10	String
Detail	Contains the error detail text.	n/a	Structure

### checkNumberPortingEligibilityResponse

Name	Descriptions	Details
mdnList	Structure containing PEC MDNs	Structure Required

### mdnList

Name	Descriptions	Details
mdnDetail	Data for a single Port Eligibility Check (PEC). 1 – 50 Records.	Structure Required

### mdnDetail

Name	Descriptions	Details
mdn	Mobile Directory Number (MDN) is the actual phone number one would dial to reach a specific mobile phone. Prior to Wireless Number Portability, MDN was the same number as the Mobile Identification Number (MIN) for many mobile phones. But now that MDNs can be ported (moved) to other carriers, MDN and MIN will be different for ported numbers.	10 String Required
urbanFleet	Structure containing the urban and fleet information	Structure Optional
eligibilityResult	Indicated if eligible. Valid Values: "true" "false"	5 Boolean Required
eligibilityCode	Port Eligibility Code is a specific code giving the reason a MDN is not eligible for	3

	porting or distinguishes between certain conditions for MDNs that are eligible.	Int Required
eligibilityMessage	Port Eligibility Code Description contains a textual message describing the Port Eligibility Code value.	40 String Optional
rateCenter	A Rate Center is a company designated geographic location assigned vertical and horizontal coordinates between which airline mileages are determined for the charging of private lines.	10 String Optional
lrn	Local Routing Number is used to route an LNP (Local Number Portability) call to the switch that owns the LRN.	20 String Optional
rateCenterState	A rate center State Abbreviation Code is the set of characters that are selected from a State or Protectorate name and represent the name of a State or US Protectorate.	2 String Optional
serviceProviderId	Service Provider Identifier returned by the external number porting system.	4 String Optional
serviceProviderName	Service Provider (Common Carrier Name) returned by the external number porting system.	20 String Optional
resellerInd	Indicates whether the requested Ported In MDN is from Sprint reseller or not. Valid values: "true" - reseller "false" - not a reseller This field will be populated CDMA network only	5 Boolean Optional
csa	Communication Service Area Identifier uniquely identifies an instance of a geographic area (CSA) served by a communication service provider, which can be broken down into regional, metropolitan, district and smaller sections called "leaves."	10 String Optional
estimatedDueDate	The estimated due date of the number port.	dateTime Optional
networkInfo	Structure containing network information	Structure Required
eligibilityCodeForCdma	Port Eligibility Code is a specific code giving the reason a MDN is not eligible for porting or distinguishes between certain conditions for MDNs that are eligible.	3 Int Required
eligibilityMessageForCdma	Port Eligibility Code Description contains a textual message describing the Port	40 String

	Eligibility Code value.	Optional
lrnForCdma	Local Routing Number is used to route an LNP (Local Number Portability) call to the switch that owns the LRN.	20 String Optional
resolutionInfoList	Structure containing resolution information	Structure Optional
mdnPrepaidInfo	Structure containing prepaid Info	Structure Optional

## urbanFleet

Name	Descriptions	Details
urbanId	Urban Area Identifier identifies an urban area in the UFMI. It is the first element of the DirectConnect UFMI number. The format of the UFMI number is: Urban Area Id•Fleet Id•Member Id. Example 164•100•3441	7 String Required
fleetId	Fleet Identifier is the second element of the DirectConnect UFMI number. The format of the UFMI number is: Urban User Id•Fleet Id•Member Id. Example 164•100•3441.	7 String Required

## networkInfo

Name	Descriptions	Details
networkInd	Network Indicator Code specifies the network being used. I - iDEN C - CDMA B – Both N – None of the networks	1 String Required

## resolutionInfoList

Name	Descriptions	Details
resolutionInfo	Structure containing resolution information	Structure Required

## resolutionInfo

Name	Descriptions	Details
lnType	Indicates the type of internal LRN. Valid Values: A for ATA.	1 String Required
resolutionCode	Gives a specific code for the reason a PTN is not eligible, or distinguishes between certain conditions for PTNs that are eligible. This field applies to the appropriate internal LRN type. It has an Int value it represents the RES_CODE in the ELIG_RESOLUTION_CODE table).	2 Int Required
eligibilityLRNInd	Indicates whether the requested PI PTN is eligible for internal LRN. Valid values: “true” “false”	5 Boolean Required
eligMsg	Text description of resolutionCode value.	40 String Required
internalLrnNumber	Internal LRN number	20 String Required

## mdnPrepaidInfo

Name	Descriptions	Details
prepaidInd	Indicate if a MDN is related to a prepaid or postpaid account. Will be set to the SUB_PREPAID_IND value that existed in the SUBSCRIBER table when the PEC failed with the reason that the MDN is already active or suspended in the system. Valid values: N – Prepaid subscriber O – Postpaid subscriber	1 String Required



### 2.1.3 Sample Request Message

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v2="http://integration.sprint.com/common/header/WSMessageHeader/v2"
xmlns:chec="http://integration.sprint.com/interfaces/checkNumberPortingEligibility/v1/checkNumberPorti
ngEligibility.xsd">
  <soapenv:Header>
    <v2:wsMessageHeader>
      <v2:trackingMessageHeader>
        <v2:applicationId>7UL</v2:applicationId>
        <v2:applicationUserId>user123</v2:applicationUserId>
        <v2:consumerId>7UL</v2:consumerId>
        <v2:messageId>1001</v2:messageId>
        <v2:timeToLive>30</v2:timeToLive>
        <v2:messageDateTimeStamp>2011-05-11T20:09:09.724Z</v2:messageDateTimeStamp>
      </v2:trackingMessageHeader>
    </v2:wsMessageHeader>
  </soapenv:Header>
  <soapenv:Body>
    <chec:checkNumberPortingEligibility>
      <chec:mdnSearchList>
        <chec:mdnSearchDetail>
          <chec:mdn>2699787232</chec:mdn>
        </chec:mdnSearchDetail>
      </chec:mdnSearchList>
    </chec:checkNumberPortingEligibility>
  </soapenv:Body>
</soapenv:Envelope>
```

## 2.1.4 Sample Response Message

```
<SOAP-ENV:Envelope
  xmlns:SOAP-ENC = "http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:SOAP-ENV = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd = "http://www.w3.org/2001/XMLSchema"
  xmlns:xsi = "http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <m:wsMessageHeader xmlns:m =
"http://integration.sprint.com/common/header/WSMessageHeader/v2">
      <m:trackingMessageHeader>
        <m:applicationId>7UL</m:applicationId>
        <m:applicationUserId>user123</m:applicationUserId>
        <m:consumerId>7UL</m:consumerId>
        <m:messageId>1001</m:messageId>
        <m:conversationId/>
        <m:timeToLive>30</m:timeToLive>
        <m:replyCompletionCode>0</m:replyCompletionCode>
        <m:messageDateTimeStamp>2011-07-22T16:36:13-05:00</m:messageDateTimeStamp>
      </m:trackingMessageHeader>
    </m:wsMessageHeader>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    wsu:Id = "Body-f5dc2698-f1a6-4bdd-8b22-0cb4963b75ed"
    xmlns:wsu = "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
      <tns:checkNumberPortingEligibilityResponse xmlns:tns =
"http://integration.sprint.com/interfaces/checkNumberPortingEligibility/v1/checkNumberPortingEligibility.
xsd">
        <tns:mdnList>
          <tns:mdnDetail>
            <tns:mdn>2699787232</tns:mdn>
            <tns:urbanFleet>
              <tns:urbanId>0</tns:urbanId>
              <tns:fleetId>0</tns:fleetId>
            </tns:urbanFleet>
            <tns:eligibilityResult>true</tns:eligibilityResult>
            <tns:eligibilityCode>2</tns:eligibilityCode>
            <tns:eligibilityMessage>PTN is eligible for Porting In</tns:eligibilityMessage>
            <tns:rateCenter>KALAMAZOO</tns:rateCenter>
            <tns:lrn>2693776644</tns:lrn>
            <tns:rateCenterState>MI</tns:rateCenterState>
            <tns:serviceProviderId>8685</tns:serviceProviderId>
            <tns:serviceProviderName>CHOICE ONE COMM WRLN</tns:serviceProviderName>
            <tns:resellerInd>>false</tns:resellerInd>
            <tns:csa>WM</tns:csa>
            <tns:estimatedDueDate>2011-07-29T00:00:00.0Z</tns:estimatedDueDate>
            <tns:networkInfo>
              <tns:networkInd>I</tns:networkInd>
            </tns:networkInfo>
            <tns:eligibilityCodeForCdma>5</tns:eligibilityCodeForCdma>
            <tns:eligibilityMessageForCdma>Rate Ctr/CSA not available for
porting</tns:eligibilityMessageForCdma>
```

```
</tns:mdnDetail>  
</tns:mdnList>  
</tns:checkNumberPortingEligibilityResponse>  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

## 2.2 QueryPortDetailInfo

Provides ability to obtain porting information on port in and port out request. This transaction is provided by NPS for those applications that have no access to the E-Port application interface.

### 2.2.1 Input Parameters

The input request to QueryPortDetailInfo API consists of two parts, the WSMessagesHeader V2 and the request data structure

#### trackingMessageHeader

Name	Details	Descriptions
consumerId	Required	The ID of the corporate entity or business unit from which this message originated (e.g. Corporation code or Portal applId).
applicationId	Required	The ID of the application within the corporate entity from which this message originated.
messageId	Required	A unique identifier for this message, to enable tracking, reporting, and correlation.
conversationId	Optional	Each message is part of a conversation between two or more systems in a given session. The Conversation ID is a UID, which can be used to group all messages exchanged within a session. This field is primarily used for tracking, reporting, root-cause-analysis, and non-repudiation.
timeToLive	Required	Specifies how long in seconds this message is relevant after the message timestamp. The calling application can time-out after 'timeToLive' seconds.
messageDateTimeStamp	Required	The dateTimeStamp of when the message was created. This can be used for tracking and reporting and also by the consuming application to determine if the message is stale.

All front-ends must send a consistent value in MessageHeader structure in the API request message. This is the only way to identify which application is calling the API. This structure will be used for analysis, reporting and troubleshooting purposes. MessageHeader will start to be validated in future releases.

## queryPortDetailInfo

Name	Descriptions	Details
mdn	Mobile Directory Number	10 String Choice
portId	The request number of the port as generated by NPS.	Min: 1 - Max: 20 String Choice

## 2.2.2 Output Parameters

Name	Values	Details	Descriptions
Faultcode	Fault code, e.g. "Client.804	20	String
Faultstring	Fault reason text e.g., "Server 804: System Exception".	100	String
Faultactor	Shall have the MessageNumber returned from Amdocs for an exception	10	String
Detail	Contains the error detail text.	n/a	Structure

### queryPortDetailInfoResponse

Name	Descriptions	Details
groupRequestNumber	Group request number originally linked with the MDN. It will be returned if the MDN is part of a group. NPS generates the GroupRequestNbr during the port in request.	16 String Opt
portId	Port ID of the MDN involved in the port.	Min: 1 - Max: 20 String Required
mdn	MDN involved in the port or the request number passed.	10 String Required
portDueDateTime	Actual Due Date Time of the port is to be completed Format: YYYY-MM-DDThh:mm:ssZ (T indicates the start of the time section)Returned in CDT/CST	dateTime Optional
hotPhoneInd	Hot Phone Indicator	1 String Optional
dateSubmitted	Date and Time the Port request was submitted to NPS. Format: YYYY-MM-DDThh:mm:ss.zzzzzz (T indicates the start of the time section) Returned in CDT/CST	dateTime Required
newServiceProviderId	SPID of New Local Service Provider	4 String Optional
oldServiceProviderId	SPID of Old Local Service Provider	4

		String Optional
requestNumber	Unique number created by Message Processing Engine (MPE) on initial request. If value is not populated, the message will be interpreted as an initial request. This request number, once generated by MPE, will be sent back to NPS via the acknowledgement (ACK) message.	20 String Optional
versionId	Version identification Message Processing Engine (MPE) will generate on initial message. If populated on PQI, MPE will ignore.	2 String Optional
supplementalCode	Supplemental Message Type Code. No value on initial port request. If SUP1/SUP2/SUP3 message, then this field will be populated. ' '= original port request, '1' = Cancel, '2' = Chgddt, '3' = Modify	1 String Optional
currentOtherServiceProviderMdn	In most cases, this MDN is the same the mdn field above. In the case of MDN during NPA split phase and MDN on customer's OSP account is using old NPA, this field is different than the MDN to be ported to Sprint. Only in this case, this field needs to be populated. Then this number will be used to communicate to OSP to get approval. If MDN is not in NPA split, this field shall be left blank. If MDN is in NPA split phase, and MDN on customer's OSP account contains new MDN, this field shall be left blank.	10 String Optional
portDirectionInd	Number Portability Direction Indicator A = Wireless to Wireless B = Wireless to Wireline C = Wireline to Wireless	1 String Optional
responseNumber	NPS will leave this field blank. It is to be populated by the old service provider on the port out response message.	18 String Optional
newNetworkServiceProvider	SPID value for the new network service provider	4 String Optional
dueDateTimeSent	Date and Time Sent - MPE (Message Processing Engine) will generate on PQS (Port Response) message	dateTime Optional

	Format: YYYY-MM-DDThh:mm:ss.zzzzzz (T indicates the start of the time section) Returned in CDT/CST	
subscriberName	Returned when information is provided by the end user on port request.	60 String Optional
assentMethod	The method used to capture the customer's assent to port in an active MDN the customer has with another service provider into Sprint or Sprint Wholesale Reseller.	5 String Optional
authorizationName	authorization name	60 String Optional
authorizationDate	date of agency authorization Format: YYYY-MM-DD (T indicates the start of the time section)	Date Optional
userId	initiator identification (creator) user id from front-ends	15 String Optional
implementationContactName	Implementation contact name of representative or port center in control of port. Used for the old service provider point of contact in resolving an issue.	15 String Optional
implementationContactPhone	Telephone Number of Implementation Contact—Telephone number for the contact. Format: XXX-XXX-XXXX XXXX	17 String Optional
billPrefixName	Old Service Provider Billing Name Prefix Ex.: Mr., Mrs.	10 String Optional
billFirstName	Old Service Provider Billing First Name	25 String Optional
billMiddleInitial	Old Service Provider Billing Middle Initial	1 String Optional
billLastName	Old Service Provider Billing Last Name	25 String Optional
billSuffixName	Old Service Provider Billing Name Suffix Ex.: Jr., Sr., etc.	20 String Optional



businessName	Old Service Provider Business Name	60 String Optional
billStreetNbr	Old Service Provider Billing Street Number	10 String Optional
billStreetName	Old Service Provider Billing Street Name	60 String Optional
billStreetDirectionInd	Old Service Provider Billing Street Directional e.g.: E, NE, N, NW	2 String Optional
billCityName	Old Service Provider Billing City	Min: 1 - Max: 35 String Optional
billState	Old Service Provider Billing State State/Province of the subscriber's billing address	2 String Optional
postalCode	Old Service Provider Zip Code or postal code of the subscriber's billing address	10 String Optional
billCountry	Old Service Provider Country of the billing address	3 String Optional
ssnTaxIdChoice	ssnTaxIdChoice structure	Structure Optional
otherServiceProviderAccountNumber	Account Number – This field indicates the customer's account number within the Old Service Provider's internal systems.	20 String Optional
otherServiceProviderPasswordPin	Indicates the customer's password or pin number specified on his/her account within the old service provider's internal systems.  Used if the end-user's account is password protected. This is for old service providers' prepay customers.	15 String Optional
remarks	Required if SUP = 3	160 String Optional
newResellerName	New Reseller Name	20 String Optional
localRoutingNumber	Local Routing Number (LRN)	10

		String Optional
--	--	--------------------

### ssnTaxIdChoice

Name	Descriptions	Details
ssn	Old Service Provider Social Security Number (SNN) Format: xxx-xx-xxxx (for SSN)	Min: 9 - Max: 11 String Choice
taxId	Old Service Provider Tax Identification (Tax ID). Format: xx-xxxxxxx (for Tax ID)	Min: 9 - Max: 10 String Choice

### 2.2.3 Sample Request Message

```
<soapenv:Envelope
  xmlns:soapenv = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v2 = "http://integration.sprint.com/common/header/WSMessageHeader/v2"
  xmlns:quer =
"http://integration.sprint.com/interfaces/queryDetailedPortInfo/v1/queryPortDetailInfo.x
sd">
  <soapenv:Header>
    <v2:wsMessageHeader>
      <v2:trackingMessageHeader>
        <v2:applicationId>7UL</v2:applicationId>
        <v2:applicationUserId>user123</v2:applicationUserId>
        <v2:consumerId>7UL</v2:consumerId>
        <v2:messageId>1001</v2:messageId>
        <v2:timeToLive>30</v2:timeToLive>
        <v2:messageDateTimeStamp>2011-05-
11T20:09:09.724Z</v2:messageDateTimeStamp>
      </v2:trackingMessageHeader>
    </v2:wsMessageHeader>
  </soapenv:Header>
  <soapenv:Body>
    <quer:queryPortDetailInfo>
      <quer:mdn>2699787232</quer:mdn>
    </quer:queryPortDetailInfo>
  </soapenv:Body>
</soapenv:Envelope>
```

## 2.2.4 Sample Response Message

```
<soapenv:Envelope
  xmlns:soapenv = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v2 = "http://integration.sprint.com/common/header/WSMessageHeader/v2"
  xmlns:quer = "http://integration.sprint.com/interfaces/queryDetailedPortInfo/v1/queryPortDetailInfo.xsd">
  <soapenv:Header>
    <v2:wsMessageHeader>
      <v2:trackingMessageHeader>
        <v2:applicationId>7UL</v2:applicationId>
        <v2:applicationUserId>user123</v2:applicationUserId>
        <v2:consumerId>7UL</v2:consumerId>
        <v2:messageId>1001</v2:messageId>
        <v2:timeToLive>30</v2:timeToLive>
        <v2:messageDateTimeStamp>2011-05-11T20:09:09.724Z</v2:messageDateTimeStamp>
      </v2:trackingMessageHeader>
    </v2:wsMessageHeader>
  </soapenv:Header>
  <soapenv:Body>
    <quer:queryPortDetailInfoResponse>
      <quer:groupRequestNumber>0</quer:groupRequestNumber>
      <quer:portId>314700</quer:portId>
      <quer:mdn>3012371579</quer:mdn>
      <quer:portDueDateTime>2009-02-27T05:51:00.0Z</quer:portDueDateTime>
      <quer:hotPhoneInd>N</quer:hotPhoneInd>
      <quer:dateSubmitted>2009-02-27T02:51:00.0Z</quer:dateSubmitted>
      <quer:newServiceProviderId>ZZZZ</quer:newServiceProviderId>
      <quer:oldServiceProviderId>7778</quer:oldServiceProviderId>
      <quer:portDirectionInd>A</quer:portDirectionInd>
      <quer:newNetworkServiceProvider>7778</quer:newNetworkServiceProvider>
      <quer:assentMethod>PREQ</quer:assentMethod>
      <quer:authorizationName>Natasha</quer:authorizationName>
      <quer:authorizationDate>2009-02-27</quer:authorizationDate>
      <quer:userId>RENSEMBLE</quer:userId>
      <quer:billFirstName>CSM TO ENW</quer:billFirstName>
      <quer:billLastName>CSM TO ENW</quer:billLastName>
      <quer:businessName>CSM TO ENW</quer:businessName>
      <quer:billStreetNbr>157</quer:billStreetNbr>
      <quer:billStreetName>SMITH AVE</quer:billStreetName>
      <quer:billCityName>HOLBROOK</quer:billCityName>
      <quer:billState>NY</quer:billState>
      <quer:postalCode>11741</quer:postalCode>
      <quer:ssnTaxIdChoice>
        <quer:ssn>999-99-3741</quer:ssn>
      </quer:ssnTaxIdChoice>
      <quer:otherServiceProviderAccountNumber>475910380</quer:otherServiceProviderAccountNumber>
      <quer:otherServiceProviderPasswordPin>123456</quer:otherServiceProviderPasswordPin>
      <quer:newResellerName>CARP</quer:newResellerName>
    </quer:queryPortDetailInfoResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

## 2.3 QueryPortInfo

This API requests information about port requests for a specific port in PTN. Port requests can be searched using either the ported in PTN number or the temporary PTN assigned to a subscriber. Only one of these keys can be specified in the input.

Multiple requests can be found in the database based on the input key supplied in the request. If there are multiple requests, only the latest request (based on the request date) is selected.

- The fields (elements) that are optional and not present in the database will not be present in the response. It is not necessary to return empty tags for these elements.
- If any error occurs when retrieving section information, the fault object will be returned. No other response will be generated.

### 2.3.1 Input Parameters

The input request to QueryPortInfo API consists of two parts, the WSMessagesHeader V2 and the request data structure

#### trackingMessageHeader

Name	Details	Descriptions
consumerId	Required	The ID of the corporate entity or business unit from which this message originated (e.g. Corporation code or Portal applId).
applicationId	Required	The ID of the application within the corporate entity from which this message originated.
messageId	Required	A unique identifier for this message, to enable tracking, reporting, and correlation.
conversationId	Optional	Each message is part of a conversation between two or more systems in a given session. The Conversation ID is a UID, which can be used to group all messages exchanged within a session. This field is primarily used for tracking, reporting, root-cause-analysis, and non-repudiation.
timeToLive	Required	Specifies how long in seconds this message is relevant after the message timestamp. The calling application can time-out after 'timeToLive' seconds.
messageDateTimeStamp	Required	The dateTimeStamp of when the message was created. This can be used for tracking and reporting and also by the consuming application to determine if the message is stale.

All front-ends must send a consistent value in MessageHeader structure in the API request message. This is the only way to identify which application is calling the API. This structure will be used for analysis, reporting and troubleshooting purposes. MessageHeader will start to be validated in future releases.

## queryPortInfo

Name	Descriptions	Details
mdnInfo	mdnInfo structure	Structure Required
timeZone	ENS: Not used (Always central time). P2W/ENW: Required	3 String Optional
historyInd	ENS: Not used. P2W/ENW: Y = History of the port N = Most current information only	1 String Optional
resellerInd	P2W/ENW: set to 'true' ENS: set to 'false' When is not sent, will default to 'false'	5 Boolean Optional

## mdnInfo

Name	Descriptions	Details
portInMdn	Mobile Directory Number (MDN) is the actual phone number one would dial to reach a specific mobile phone. Prior to Wireless Number Portability, MDN was the same number as the Mobile Identification Number (MIN) for many mobile phones. But now that MDNs can be ported (moved) to other carriers, MDN and MIN will be different for ported numbers.	10 String Choice
tempMdn	Mobile Directory Number (MDN) is the actual phone number one would dial to reach a specific mobile phone. Prior to Wireless Number Portability, MDN was the same number as the Mobile Identification Number (MIN) for many mobile phones. But now that MDNs can be ported (moved) to other carriers, MDN and MIN will be different for ported numbers.	10 String Choice
portId	ENS: Not used. P2W/ENW: Required if neither mdn nor groupRequestNbr are provided. Will be ignored if mdn is provided	Min: 1 - Max: 20 String Choice
groupRequestNumber	ENS: Not used. P2W/ENW: Required if neither mdn nor portId are provided. Will be ignored if mdn is provided	16 String Choice

## 2.3.2 Output Parameters

Name	Values	Details	Descriptions
Faultcode	Fault code, e.g. "Client.804	20	String
Faultstring	Fault reason text e.g., "Server 804: System Exception".	100	String
Faultactor	Shall have the MessageNumber returned from Amdocs for an exception	10	String
Detail	Contains the error detail text.	n/a	Structure

### queryPortInfoResponse

Name	Descriptions	Details
portRequestInfo	Information about the port request.	Structure Required
portResponseInfo	Response information about the port request.	Structure Required
mdnStatusInfo	mdnStatusInfo structure	Structure Required

### portRequestInfo

Name	Descriptions	Details
requestId	Request Identifier is an internal Ensemble request number.	9 Integer Required
osp	Service Provider Identifier returned by the external number porting system. *Only returned for Ensemble Retail Customers*	4 String Optional
ospld	Service Provider Identifier returned by the external number porting system. *Only returned for Ensemble Retail Customers*	4 String Optional
portType	Type of port request. E.g., (AL) – ALL-PATH, (CA) – WNP_CANCEL, (DI) – DISCONNECT, (DY) – DELAY, (MP) – WNP_MPS, (PI) – PORT_IN, (PO) – PORT_OUT, (SB) – SNAPBACK,	2 String Optional



	(SP) – ISP, (WB) – WINBACK	
portDirection	A code used to denote the direction of the number port request. (A) - The request came from wireless to wireless. (B) - The request came from wireless to wireline. (C) - The request came from wireline to wireless.	1 String Optional
manualInd	Indicates whether or not the request is managed manually.	5 Boolean Optional
priority	The priority level of the port request.	3 String Optional
requestDate	Date when the port request was submitted. format YYYY-MM-DD	Date Optional
requestOperatorId	Unique identifier of the operator handling the request.	8 Integer Optional
requestOperatorName	Name of the operator handling the request	25 String Optional
authorizationName	Name of the authorization	60 String Optional
authorizationDate	Date of the authorization format YYYY-MM-DD	Date Optional
externalRequestNumber	Unique number of the external requestor.	16 String Optional
resellerInd	Indicator to determine if dealing with a reseller.	5 Boolean Optional
resellerBan	Account number assigned by the reseller.	10 String Optional
orderNumber	Order Number uniquely identifies an instance of ORDER.	9 String Optional
shipDate	Ship Date contains the calendar date the shipment leaves the warehouse. format YYYY-MM-DD	Date Optional

sentToProvisioningInd	Flag indicating if the request has been sent to provisioning or not.	5 Boolean Optional
-----------------------	--	--------------------------

## portResponseInfo

Name	Descriptions	Details
statusCode	The current status of the request	4 String Optional
statusText	Text of status code	40 String Optional
dueDate	Expected due date for OSP completion of the request format YYYY-MM-DD	Date Optional
lastAction	Last action done on the request. See Metadata ACT_PORT_REQUEST.ACTION_ID	4 String Optional
lastactionDate	Date of last action format YYYY-MM-DD	Date Optional
mdnQty	The number of MDNs in the request	5 Integer Optional
timeZone	Time zone, e.g., EST, CDT, etc.	3 String Optional
lrn	LRN assigned to this request.	20 String Optional
remarks	remarks by NSP/OSP	200 String Optional
errorType	Type of error received for Not Acknowledged.	2 String Optional
errorText	Text of error.	200 String Optional
otherServiceProviderContactName	OSP contact name	25 String Optional
ospContactPhone	OSP contact phone number	17

		String Optional
implementationContactName	Implementation operator name.	15 String Optional
implementationContactPhone	Implementation operator phone	17 String Optional
groupRequestNumber	Request number originally linked with MDN. Will be returned if the MDN is apart of a group.	16 String Optional
desiredDueDateTime	Desired Due Date and Time Format: YYYY-MM-DDThh:mm:ss.zzzzzz (T indicates start of time section) Returned on based on time zone from request.	dateTime Optional
hotPhoneInd	Hot Phone Indicator Ensemble Retail (ENS): Will not be returned	1 String Optional
ticketNumber	Trouble Ticket Number CTMS assigned ticket number if assigned. Ensemble Retail (ENS): Will not be returned	20 String Optional
dateSubmitted	Date and time port request was submitted. format YYYY-MM-DDTHH:MM:SS.zzzzzz Returned on based on time zone from request.	dateTime Optional

## mdnStatusInfo

Name	Descriptions	Details
mdn	Mobile Directory Number (MDN) is the actual phone number one would dial to reach a specific mobile phone. Prior to Wireless Number Portability, MDN was the same number as the Mobile Identification Number (MIN) for many mobile phones. But now that MDNs can be ported (moved) to other carriers, MDN and MIN will be different for ported numbers.	Min: 10 - Max: 20 String Required
lastAction	Code for the last action taken for this MDN.	4 String Optional

dueDate	Due date for port in format YYYY-MM-DD	Date Optional
tempMdn	Mobile Directory Number (MDN) is the actual phone number one would dial to reach a specific mobile phone. Prior to Wireless Number Portability, MDN was the same number as the Mobile Identification Number (MIN) for many mobile phones. But now that MDNs can be ported (moved) to other carriers, MDN and MIN will be different for ported numbers.	Min: 10 - Max: 20 String Optional
name	Subscriber Name (alias) if assigned.	20 String Optional
rateCenter	Rate center to which the MDN would belong. A Rate Center is a company designated geographic location assigned vertical and horizontal coordinates between which airline mileages are determined for the charging of private lines.	10 String Optional
state	State code of rate center	2 String Optional
messageCode	Message code returned	8 String Optional
messageText	Message Text	200 String Optional
ospAuthorization	A flag that denotes if the other service provider had authorized the port or not.	5 Boolean Optional
networkInd	Network Indicator Code specifies the network being used. I - iDEN; C - CDMA; B - Both	1 String Optional
mdnStatus	Ported MDN status	2 String Optional
portedDate	The date on which the subscriber number was assigned to the customer and activated format YYYY-MM-DD	Date Optional

### 2.3.3 Sample Request Message

```
<soapenv:Envelope
  xmlns:soapenv = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v2 = "http://integration.sprint.com/common/header/WSMessageHeader/v2"
  xmlns:quer = "http://integration.sprint.com/interfaces/queryPortInfo/v1/queryPortInfo.xsd">
  <soapenv:Header>
    <v2:wsMessageHeader>
      <v2:trackingMessageHeader>
        <v2:applicationId>7UL</v2:applicationId>
        <v2:applicationUserId>user123</v2:applicationUserId>
        <v2:consumerId>7UL</v2:consumerId>
        <v2:messageId>1001</v2:messageId>
        <v2:timeToLive>30</v2:timeToLive>
        <v2:messageDateTimeStamp>2011-05-11T20:09:09.724Z</v2:messageDateTimeStamp>
      </v2:trackingMessageHeader>
    </v2:wsMessageHeader>
  </soapenv:Header>
  <soapenv:Body>
    <quer:queryPortInfo>
      <quer:mdnInfo>
        <quer:portInMdn>3052187897</quer:portInMdn>
      </quer:mdnInfo>
    </quer:queryPortInfo>
  </soapenv:Body>
</soapenv:Envelope>
```

## 2.3.4 Sample Response Message

```
<soapenv:Envelope
  xmlns:soapenv = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v2 = "http://integration.sprint.com/common/header/WSMessageHeader/v2"
  xmlns:quer = "http://integration.sprint.com/interfaces/queryPortInfo/v1/queryPortInfo.xsd">
  <soapenv:Header>
    <v2:wsMessageHeader>
      <v2:trackingMessageHeader>
        <v2:applicationId>7UL</v2:applicationId>
        <v2:applicationUserId>user123</v2:applicationUserId>
        <v2:consumerId>7UL</v2:consumerId>
        <v2:messageId>1001</v2:messageId>
        <v2:timeToLive>30</v2:timeToLive>
        <v2:messageDateTimeStamp>2011-05-11T20:09:09.724Z</v2:messageDateTimeStamp>
      </v2:trackingMessageHeader>
    </v2:wsMessageHeader>
  </soapenv:Header>
  <soapenv:Body>
    <quer:queryPortInfoResponse>
      <quer:portRequestInfo>
        <quer:requestId>32750668</quer:requestId>
        <quer:osp>6232</quer:osp>
        <quer:ospId>6232</quer:ospId>
        <quer:portType>MI</quer:portType>
        <quer:requestDate>2007-10-31</quer:requestDate>
        <quer:externalRequestNumber>6664007304465181</quer:externalRequestNumber>
        <quer:sentToProvisioningInd>>false</quer:sentToProvisioningInd>
      </quer:portRequestInfo>
      <quer:portResponseInfo>
        <quer:statusCode>MISU</quer:statusCode>
        <quer:statusText>MISP Processed Successfully</quer:statusText>
        <quer:lastAction>NOT</quer:lastAction>
        <quer:lastActionDate>2007-10-31</quer:lastActionDate>
        <quer:mdnQty>0</quer:mdnQty>
        <quer:lrn>7865069469</quer:lrn>
        <quer:otherServiceProviderContactName>Ensemble</quer:otherServiceProviderContactName>
        <quer:ospContactPhone>8772293300</quer:ospContactPhone>
      </quer:portResponseInfo>
      <quer:mdnStatusInfo>
        <quer:mdn>3052187897</quer:mdn>
        <quer:lastAction>NOT</quer:lastAction>
        <quer:dueDate>2007-10-31</quer:dueDate>
        <quer:messageCode>SOA1029I</quer:messageCode>
        <quer:messageText>Version status change to ACTIVE</quer:messageText>
        <quer:networkInd>C</quer:networkInd>
      </quer:mdnStatusInfo>
    </quer:queryPortInfoResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

## 2.4 QueryServiceProviderPortFieldMapInfo

The users can retrieve which port in request fields are required for a specified service provider by calling this API passing Service provider Id.

### 2.4.1 Input Parameters

The input request to QueryServiceProviderPortFieldMapInfo API consists of two parts, the WSMessagesHeader V2 and the request data structure

#### trackingMessageHeader

Name	Details	Descriptions
consumerId	Required	The ID of the corporate entity or business unit from which this message originated (e.g. Corporation code or Portal applId).
applicationId	Required	The ID of the application within the corporate entity from which this message originated.
messageId	Required	A unique identifier for this message, to enable tracking, reporting, and correlation.
conversationId	Optional	Each message is part of a conversation between two or more systems in a given session. The Conversation ID is a UID, which can be used to group all messages exchanged within a session. This field is primarily used for tracking, reporting, root-cause-analysis, and non-repudiation.
timeToLive	Required	Specifies how long in seconds this message is relevant after the message timestamp. The calling application can time-out after 'timeToLive' seconds.
messageDateTimeStamp	Required	The dateTimeStamp of when the message was created. This can be used for tracking and reporting and also by the consuming application to determine if the message is stale.

All front-ends must send a consistent value in MessageHeader structure in the API request message. This is the only way to identify which application is calling the API. This structure will be used for analysis, reporting and troubleshooting purposes. MessageHeader will start to be validated in future releases.

#### queryServiceProviderPortFieldMapInfo

Name	Descriptions	Details
serviceProviderId	Id of service provider	4 String Required

## 2.4.2 Output Parameters

Name	Values	Details	Descriptions
Faultcode	Fault code, e.g. "Client.804	20	String
Faultstring	Fault reason text e.g., "Server 804: System Exception".	100	String
Faultactor	Shall have the MessageNumber returned from Amdocs for an exception	10	String
Detail	Contains the error detail text.	n/a	Structure

### queryServiceProviderPortFieldMapInfoResponse

Name	Descriptions	Details
serviceProviderList	List of Service Providers	Structure Required

### serviceProviderList

Name	Descriptions	Details
serviceProviderId	Id of service provider	4 String Required
serviceProviderInfo	Service Provider Info	Structure Required

### serviceProviderInfo

Name	Descriptions	Details
portRequestFieldName	Name of the Port Request fields	25 String Required
optionalInd	Provides info on Port request fields whether mandatory or optional	1 String Required



## 2.4.3 Sample Request Message

```
<soapenv:Envelope
  xmlns:soapenv = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v2 = "http://integration.sprint.com/common/header/WSMessageHeader/v2"
  xmlns:quer =
    "http://integration.sprint.com/interfaces/queryServiceProviderPortFieldMapInfo/v1/queryServiceProviderP
    ortFieldMapInfo.xsd">
  <soapenv:Header>
    <v2:wsMessageHeader>
      <v2:trackingMessageHeader>
        <v2:applicationId>7UL</v2:applicationId>
        <v2:applicationUserId>user123</v2:applicationUserId>
        <v2:consumerId>7UL</v2:consumerId>
        <v2:messageId>1001</v2:messageId>
        <v2:timeToLive>30</v2:timeToLive>
        <v2:messageDateTimeStamp>2011-05-11T20:09:09.724Z</v2:messageDateTimeStamp>
      </v2:trackingMessageHeader>
    </v2:wsMessageHeader>
  </soapenv:Header>
  <soapenv:Body>
    <quer:queryServiceProviderPortFieldMapInfo>
      <quer:serviceProviderId>392A</quer:serviceProviderId>
    </quer:queryServiceProviderPortFieldMapInfo>
  </soapenv:Body>
</soapenv:Envelope>
```

## 2.4.4 Sample Response Message

```
<SOAP-ENV:Envelope
  xmlns:SOAP-ENC = "http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:SOAP-ENV = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd = "http://www.w3.org/2001/XMLSchema"
  xmlns:xsi = "http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <m:wsMessageHeader xmlns:m =
"http://integration.sprint.com/common/header/WSMessageHeader/v2">
      <m:trackingMessageHeader>
        <m:applicationId>7UL</m:applicationId>
        <m:applicationUserId>user123</m:applicationUserId>
        <m:consumerId>7UL</m:consumerId>
        <m:messageId>1001</m:messageId>
        <m:conversationId/>
        <m:timeToLive>30</m:timeToLive>
        <m:replyCompletionCode>0</m:replyCompletionCode>
        <m:messageDateTimeStamp>2011-07-22T17:12:29-05:00</m:messageDateTimeStamp>
      </m:trackingMessageHeader>
    </m:wsMessageHeader>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    wsu:Id = "Body-d863041b-a7bd-4652-a054-d9b62ae65f06"
    xmlns:wsu = "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
    <quer1:queryServiceProviderPortFieldMapInfoResponse
      xmlns:quer =
"http://integration.sprint.com/integration/interfaces/queryServiceProviderPortFieldMapInfoBt/v1/querySer
viceProviderPortFieldMapInfoBtV1.xsd"
      xmlns:quer1 =
"http://integration.sprint.com/interfaces/queryServiceProviderPortFieldMapInfo/v1/queryServiceProviderP
ortFieldMapInfo.xsd">
      <quer1:serviceProviderList>
        <quer1:serviceProviderId>392A</quer1:serviceProviderId>
        <quer1:serviceProviderInfo>
          <quer1:portRequestFieldName>PASSWD</quer1:portRequestFieldName>
          <quer1:optionalInd>M</quer1:optionalInd>
        </quer1:serviceProviderInfo>
      </quer1:serviceProviderList>
    </quer1:queryServiceProviderPortFieldMapInfoResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## 2.5 Error Handling

Sprint's approach to error handling is to maximize transparency for all exceptional conditions and minimize the occurrence of "under the radar" errors, thus encouraging improved data quality and rapid error resolution. In support of this philosophy, all exceptional or out-of-band responses, including error responses for Sprint's Web Services will be returned as SOAP Faults conforming to the SOAP 1.1 specification.

SOAP 1.1 allows for customization of the details element to carry implementation-specific fault information. The XML schema ErrorDetails.xsd defines the customization used by Sprint and is also presented in this document.

SOAP 1.1 defines a required fault code element that is used to communicate the codified error. The spec also defines four major fault code categories that can be extended by applications using a dot-delimited format. These are major fault code categories are:

- VersionMismatch
- MustUnderstand
- Client
- Server

The WS-I Basic Profile 1.1 restricts this extension capability by disallowing use of the dot-delimited notation for the faults in the soapenv namespace (<http://schemas.xmlsoap.org/soap/envelope/>). The Basic Profile does, however, allow for the use of dot-delimited faultcodes provided that the fault codes are NOT in the soapenv namespace.

### 3 Error Information

There are a number of SOAP Faults commonly returned from Sprint's Web Services Gateway. These are generally configuration issues and usually easily resolved.

Code	Message	Description	Action
env:Client	Rejected by Policy	Rejected by Policy (from client)	Ensure that the request Soap message is signed with the certificate that was used during the beta integration and that any additional authentication fields (if required) are populated correctly. If yes, then contact your EWS contact.
General	Internal error	Internal errors may be due to various reasons such as a schema validation error or due to an outage.	Ensure that the correct service URL is being utilized. If so contact your EWS contact.

#### 3.1 Service-Specific Errors

This interface can generate standard SOAP exceptions as defined by the SOAP specification. In addition, the service itself can also generate certain exceptions that will be communicated via the SOAP Fault construct. The fault string/Text is dependent on the exact error encountered.

Code	Message	Description
Client.701	Data not found	Used only in cases where the data specifically requested by the front end is not found. If some other data is not found while performing an ancillary query as part of the API logic, It will throw Server.704 or simply return successfully without returning the elements associated with the query.
Server.702	Database error	Used when an error (e.g., an ORA-* exception) from a database access is received.
Server.703	Multiple records found	Used when multiple records are found when only one is expected.
Server.704	Application processing error	Used for application processing errors as well as most backend exceptions.
Client.705	Input validation error	Includes XSD schema errors as well as code-checked validations.
Server.706	Output validation error	Includes response XSD schema errors. Response could be generated by the backend or internal system
Client.707	Security validation error	Authentication or Authorization validation has failed
Server.803	Internal database error	Reserved for database connectivity / timeout issues.
Server.804	Communication error	Reserved for backend system connectivity / timeout issues.
Server.805	Service unavailable; experiencing high load	The transaction could not be completed due to high volume experienced by the receiving service.

## 4 WSDL Information

The following table lists the environments and the corresponding URL location of this of Web Service

Environment	Description
Production	<a href="https://webservicesgateway.sprint.com:444/services/wireless/account/QueryNumberPortingService/v1?wsdl">https://webservicesgateway.sprint.com:444/services/wireless/account/QueryNumberPortingService/v1?wsdl</a>
Test RT12	<a href="https://webservicesgatewaytest.sprint.com:444/rtb1/services/wireless/account/QueryNumberPortingService/v1?wsdl">https://webservicesgatewaytest.sprint.com:444/rtb1/services/wireless/account/QueryNumberPortingService/v1?wsdl</a>
Test RTB2	<a href="https://webservicesgatewaytest.sprint.com:444/rtb2/services/wireless/account/QueryNumberPortingService/v1?wsdl">https://webservicesgatewaytest.sprint.com:444/rtb2/services/wireless/account/QueryNumberPortingService/v1?wsdl</a>

## 5 Definitions and Acronyms

Term	Definition
XML	eXtensible Markup Language
SOAP	Simple Object Access Protocol
WSDL	Web Service Description Language
XSD	Xml Schema Definition
UDDI	Universal Description, Discovery and Integration
WSM	Web Services Management Platform
EWS	Enterprise Web Services Team
Client	The users of Sprint's Web Services, either Business Customers or Partners and Resellers

## 6 References

This guide assumes that the reader is conversant with XML, WSDL, SOAP and HTTP specifications. It further assumes a basic knowledge of either Java or Microsoft's .Net web service technologies. The following links provide useful background knowledge of the Web Service standards:

Term	Definition
Apache Axis 1.x, 2.x	<a href="http://ws.apache.org/axis/">http://ws.apache.org/axis/</a>
HTTP	<a href="http://www.w3.org/Protocols/rfc2616/rfc2616.htm">http://www.w3.org/Protocols/rfc2616/rfc2616.htm</a>
SOAP 1.1	<a href="http://www.w3.org/TR/2000/NOTE-SOAP-20000508/">http://www.w3.org/TR/2000/NOTE-SOAP-20000508/</a>
WSDL 1.1	<a href="http://www.w3.org/TR/2001/NOTE-wsdl-20010315">http://www.w3.org/TR/2001/NOTE-wsdl-20010315</a>
Web Services Security 1.0	<a href="http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=wss">http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=wss</a>
XML 1.1	<a href="http://www.w3.org/TR/xml11/">http://www.w3.org/TR/xml11/</a>
XML Schema 1.1	<a href="http://www.w3.org/XML/Schema">http://www.w3.org/XML/Schema</a>
XML Schema Definition	<a href="http://www.w3.org/2001/XMLSchema.xsd">http://www.w3.org/2001/XMLSchema.xsd</a>

## 7 Feedback

Please email to [WebServices@sprint.com](mailto:WebServices@sprint.com) for feedback. We are trying to make our online user guides as complete, error free, and easy to read as possible. You can help by giving us your feedback. Thank you!