

APM Terminals- TAS APIs

Date: 19/10/2020

V1.0

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1 Document Control

Date	Version	Detail
19/10/2020	1.0	

2 Assumptions

- For interaction between TMS System and the TAS Web API, it is expected to use JSON format as a form of communication.
- When Date/Time will be included as part of the JSON, it will be passed in JSON string ISO 8601 (yyyy-mm-ddThh:mm:ss) format
- The TMS user must be a registered user on the TERMPoint desktop solution. The TMS user must be authorized (via the TERMPoint desktop solution) to use the TAS APIs.

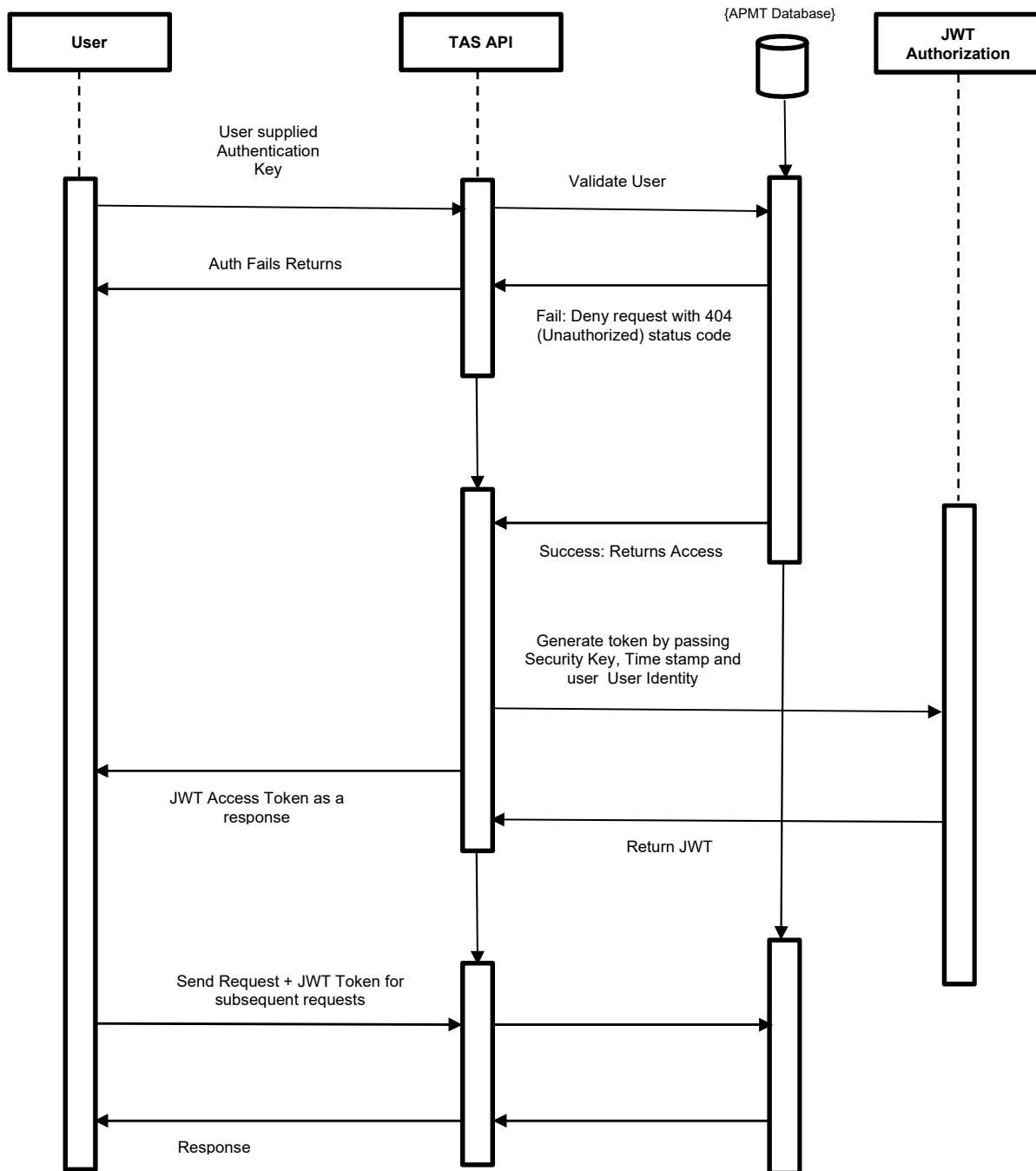
3 Architecture

3.1 Technologies Used

The TAS Web API will be built using .NET Core 3.1. Web API provides a REST service that works intuitively with HTTPS to allow the caller (consumer) to specify the format of the response (output data). When calling this web API service, client will specify (through the HTTPS header) what response format they accept (i.e., JSON or XML). It is important that JSON be fully supported as it has become the standard for new development, being well suited for HTML5, JavaScript libraries, mobile application frameworks, etc.

3.2 Security and Authorization

The TAS Web API will implement JSON Web Token (JWT) to insure secure communication between TMS System and TAS Web API. JWT is an open standard (RFC 7519) that defines a compact and self-contained way for securely transmitting information between parties as a JSON object. This information can be verified and trusted because it is digitally signed. Once the Auth Key is validated and verified, JSON Web Access Token will be generated and returned. Each subsequent request will include the JWT, allowing the user to access routes, services, and resources that are permitted with that token.



3.3 Request Format

As with all HTTPS calls, the consumer specifies the format they accept, such as XML or JSON, via the Content-Type HTTPS header. It is expected to use JSON with the Content-Type “application/json; charset=utf-8” in the request header.

3.4 Response Status

Following status codes to be expected in response header:

StatusCode	ReasonPhrase	Description
200	OK	API call is successful
401	Unauthorized	Error during user authentication
500	ServerError	Critical Server Exception

3.5 Reference Data

TAS Web API is using different codes to identify certain data elements of the appointment request payload. It is expected to use following codes for the data elements below:

- ApptType_Cd

Code	Description
IP	IMPORT PICK UP
ID	IMPORT DROP OFF
XP	EXPORT PICK UP
XD	EXPORT DROP OFF
MP	EMPTY PICK UP
MD	EMPTY DROP OFF
BP	CHASSIS PICK UP
BD	CHASSIS DROP OFF

- ApptStatus_Cd

Code	Description
C	CONFIRMED
W	TENTATIVE
P	IN PROGRESS
R	REJECTED

D	COMPLETED
X	CANCELLED
M	MISSED
I	INVALID

- CargoRefType_Cd

Code	Description
BOL	BILL OF LADING
GRP	GROUP CODE
IDO	IMPORT DELIVERY ORDER
BOOK	BOOKING
EDO	EQUIPMENT DELIVERY ORDER
ERO	EQUIPMENT RECEIVE ORDER

- PositionOnTruck – VADO only

Code	Description
1	20" IN FRONT POSITION
2	20" OR 40" IN MIDDLE POSITION
3	20" IN BACK POSITION

- Con_Cd (Equipment Size)
 - It is expected to use Size+Type+Hight (40GP96) if appointments are made for LSA – Pier 400 and Mobile, Alabama terminals.
 - For all other terminals system expects to receive Arch Type ISO code (45G1) in Con_Cd field

3.6 Data Format

Following data format is expected for data elements within request payload

Field Name	Format	Sample Expected value
GateAppt_Dt	yyyy-mm-ddThh:mm:ss	"2020-07-27T00:00:00"
GateApptStart_Tm	HH:MM	"09:00"
DriverOwnChs_Flg	Y/N	"Y"
Container_Num	Prefix+Number+Check Digit	'MSKU3647450'
Chassis_Num	Prefix+Number	"TRLZ402792"
Reefer_Flg	Y/N	"Y"
Hazmat_Flg	Y/N	"N"
OD_Flg	Y/N	"Y"
VGMSubmitted_Flg	Y/N	"N"

3.7 Required Appointment Data by Terminal

Download <https://developer.apmterminals.com/sites/default/files/2020-11/Required-appointment-data-by-terminal.xlsx> for a list of the appointment data that is required for each appointment type by terminal.

3.8 Available Appointment Data by Terminal

Download <https://developer.apmterminals.com/sites/default/files/2020-11/Available-appointment-data-by-terminal.xlsx> for a list of available data by terminal. It also identifies which data elements can be updated via the API and which data elements are view only.

4 API Methods Summary

4.1 Login Method Details

Request URL	{BaseURL}/api/Login/AuthenticateUser											
Request Method Type	HTTPS Post											
Request Headers	Content-Type : application/json; charset=UTF-8											
Requirement Details	TMS calls this API by supplying Auth key for TERMPoint access											
Request Parameters	<table><tr><th>Name</th><th>Required</th><th>Data Type</th><th>Expected value</th></tr><tr><td>AuthenticationKey</td><td>yes</td><td>string</td><td>Xssdi8787xsfdkg5444-+=</td></tr></table>				Name	Required	Data Type	Expected value	AuthenticationKey	yes	string	Xssdi8787xsfdkg5444-+=
Name	Required	Data Type	Expected value									
AuthenticationKey	yes	string	Xssdi8787xsfdkg5444-+=									
Request Prototype	{ "AuthorizationKey": " Xssdi8787xsfdkg5444-+=" }											
Response Prototype	{ "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": { "AccessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmRlZlV4bmRlZSI6Im1vYnRydWNrZXliLCJuYmYiOiJlNzMyM2NDA5NTesImV4cCI6MTU4NDAwODk1MSwiaWF0IjoxNTczNjQwOTUxLCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.ZogMTA3_GbPoz9uvSc2VYyZHBvZEiLmKzAw4ejS-ITY", "UserMessages": [] } } }											

Request validations	Caller will receive above response if the user is successfully validated. If user account validation will fail, TAS Web API will return following messages below: 1. User has no Authentication key <pre>{ "status": { "StatusCode": 401, "ReasonPhrase": "Unauthorized" }, "responseBody": { "ResponseData": { "AccessToken": null }, "UserMessages": [{ "MessageNo": 800005, "MessageDescription": "Authentication key is required", "MessageSeverity": 3 }] } }</pre> 2. User has an invalid Authentication key <pre>{ "status": { "StatusCode": 401, "ReasonPhrase": "Unauthorized" }, "responseBody": { "ResponseData": { "AccessToken": null }, "UserMessages": [{ "MessageNo": 800006, "MessageDescription": "Invalid Authentication key", "MessageSeverity": 3 }] } }</pre>
---------------------	--

3. Authentication key is not active

```
{
  "status": {
    "StatusCode": 401,
    "ReasonPhrase": "Unauthorized"
  },
  "responseBody": {
    "ResponseData": {
      "AccessToken": null
    },
    "UserMessages": [
      {
        "MessageNo": 800007,
        "MessageDescription": "Authentication key is not active",
        "MessageSeverity": 3
      }
    ]
  }
}
```

4. User is not active

```
{
  "status": {
    "StatusCode": 401,
    "ReasonPhrase": "Unauthorized"
  },
  "responseBody": {
    "ResponseData": {
      "AccessToken": null
    },
    "UserMessages": [
      {
        "MessageNo": 800008,
        "MessageDescription": "User is not active",
        "MessageSeverity": 3
      }
    ]
  }
}
```

5. Authentication key is expired

```
{
  "status": {
    "StatusCode": 401,
    "ReasonPhrase": "Unauthorized"
  },
}
```

```
"responseBody": {
  "ResponseData": {
    "AccessToken": null
  },
  "UserMessages": [
    {
      "MessageNo": 800004,
      "MessageDescription": "Authentication key is expired",
      "MessageSeverity": 3
    }
  ]
}
```

6. Invalid User

```
{
  "status": {
    "StatusCode": 401,
    "ReasonPhrase": "Unauthorized"
  },
  "responseBody": {
    "ResponseData": {
      "AccessToken": null
    },
    "UserMessages": [
      {
        "MessageNo": 8000010,
        "MessageDescription": "Invalid User",
        "MessageSeverity": 3
      }
    ]
  }
}
```

7. User associated to the Terminal that is not participated with TERMPoint TAS API project

```
{
  "status": {
    "StatusCode": 401,
    "ReasonPhrase": "Unauthorized"
  },
  "responseBody": {
    "ResponseData": {
      "AccessToken": null
    },

```

	<pre> "UserMessages": [{ "MessageNo": 800009, "MessageDescription": "Terminal Mobile, Alabama is not serviced by TERMPoint TAS API at this time", "MessageSeverity": 3 }] } } } </pre> 8. User account is not active now <pre> { "status": { "StatusCode": 401, "ReasonPhrase": "Unauthorized" }, "responseBody": { "ResponseData": { "AccessToken": null }, "UserMessages": [{ "MessageNo": 800011, "MessageDescription": "Your Account is not active at the moment. Please contact Customer Service at 310-212-4496 for assistance", "MessageSeverity": 3 }] } } </pre> 9. User account is de-activated at the terminal <pre> { "status": { "StatusCode": 401, "ReasonPhrase": "Unauthorized" }, "responseBody": { "ResponseData": { "AccessToken": null }, "UserMessages": [{ "MessageNo": 600020, </pre>
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	"MessageDescription": "Company Efficacy Systems has been deactivated in Pier 400. Please contact the terminal to resolve this issue.", "MessageSeverity": 3 }] } } • MessageSeverity attribute of response is "0" for success API call and "3" for failure calls, hence handle the MessageDescription attribute of response accordingly
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4.2 Trucker My Appointments Method Details

Request URL	{BaseURL}/api/MyAppointment/GetTruckerAppointments																																										
Request Method Type	HTTPS Post																																										
Request Headers	Authorization: JWT eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmhldWVfbmFtZSI6Im1vYnRydWNRZXliLCJuYmYiOiJlNjI0DAZMTgsImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DILHtq5uM Content-Type : application/json; charset=UTF-8																																										
Requirement Details	API method to provide all trucker appointments based on request filter criteria.																																										
Request Parameters	<table border="1"> <thead> <tr> <th>Name</th><th>Required</th><th>Data Type</th><th>Sample expected value</th></tr> </thead> <tbody> <tr> <td>Input</td><td>Yes</td><td>Object</td><td> <pre>{ "GateApptStart_DtTm": "2019-07-12T00:00:00" "GateApptEnd_DtTm": "2019-07-12T00:00:00", "ApptType_Cd": "IP, XD", "TruckPlate_Nbr": "1109006, 1109015", "ApptStatus_Cd": "C, W, R", "CargoRef_Num": "NAM12340, NAM67890", "Container_Num": "CMAU123456, CMAU789456" }</pre> </td></tr> </tbody> </table> SearchBy object parameters <table border="1"> <thead> <tr> <th>Name</th><th>Required</th><th>Data Type</th><th>Sample expected value</th></tr> </thead> <tbody> <tr> <td>GateApptStart_DtTm</td><td>Yes</td><td>String</td><td>"2019-07-12T00:00:00"</td></tr> <tr> <td>GateApptEnd_DtTm</td><td>Yes</td><td>String</td><td>"2019-07-12T00:00:00"</td></tr> <tr> <td>ApptType_Cd</td><td>No</td><td>String</td><td>"IP, XD"</td></tr> <tr> <td>TruckPlate_Nbr</td><td>No</td><td>String</td><td>"1109006, 1109015"</td></tr> <tr> <td>ApptStatus_Cd</td><td>No</td><td>String</td><td>"C, W, R"</td></tr> <tr> <td>CargoRef_Num</td><td>No</td><td>String</td><td>"NAM12340, NAM67890"</td></tr> <tr> <td>Container_Num</td><td>No</td><td>String</td><td>"CMAU123456, CMAU789456"</td></tr> </tbody> </table>			Name	Required	Data Type	Sample expected value	Input	Yes	Object	<pre>{ "GateApptStart_DtTm": "2019-07-12T00:00:00" "GateApptEnd_DtTm": "2019-07-12T00:00:00", "ApptType_Cd": "IP, XD", "TruckPlate_Nbr": "1109006, 1109015", "ApptStatus_Cd": "C, W, R", "CargoRef_Num": "NAM12340, NAM67890", "Container_Num": "CMAU123456, CMAU789456" }</pre>	Name	Required	Data Type	Sample expected value	GateApptStart_DtTm	Yes	String	"2019-07-12T00:00:00"	GateApptEnd_DtTm	Yes	String	"2019-07-12T00:00:00"	ApptType_Cd	No	String	"IP, XD"	TruckPlate_Nbr	No	String	"1109006, 1109015"	ApptStatus_Cd	No	String	"C, W, R"	CargoRef_Num	No	String	"NAM12340, NAM67890"	Container_Num	No	String	"CMAU123456, CMAU789456"
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CargoRefType_Cd		String	Possible values: BKG/EDO/ERO/BOL																																																																																																																																																						
Line_Id	Line Operator	String	"MSC"																																																																																																																																																						
Con_Cd	Equip Size	String	"40RE96"																																																																																																																																																						
Ship_Cd	Vessel Code	String	"CVE"																																																																																																																																																						
Voy_Num	Vessel Voyage	String	"033E"																																																																																																																																																						
Seal1_Num	Seal1	String	"SN12345678"																																																																																																																																																						
Seal2_Num	Seal2	String	"SN87654321"																																																																																																																																																						
Chassis_Num	Chassis #	String	"MKCZ345234"																																																																																																																																																						
Genset_Num	Genset #	String	"GNJQ123321"																																																																																																																																																						

	Hazmat_Flg	Haz	String	"Y"
	Reefer_Flg	Reefer	String	"N"
	OD_Flg	O/D	String	"N"
	VGMSubmitted_Flg	VGM Submitted	String	"N"
	ErrSeverity_Ind		Number	Possible Values: 1 – Information, 2 – Warning, 3 – Error
	Modify_DtTm		String	"2019-07-25T11:29:00"
	GateAppointmentErr			
	Field Name	Column Name	Data Type	Sample expected value
	GateAppt_Id		Number	39277
	GateApptErr_Num	Err Number	Number	140174
	GateApptErr_Dsc	Err Description	String	"Yard Block capacity is reached"
	ErrSeverity_Ind		Number	2
Response Prototype	<pre>{ "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "responseData": { "TruckVisitAppointment": [{ "TruckVisitAppt_Id": 48881, "GateAppt_Num": "001648", "GateAppt_Dt": "2020-07-13T00:00:00", "Slot_Tm": "16:00-20:00", "DriverOwnChs_Flg": "N", "DriverID_Num": "69086502F9FF", "Driver_Nm": "ROGER SIMMONS", "Gate_Id": "MOB GATE", "TruckPlate_Nbr": "1069978", "GateAppointment": [{ "GateAppt_Id": 53151, "TruckVisitAppt_Id": 48881, "GateAppt_Num": "001648", "GateAppt_Dt": "2020-07-13T00:00:00", "Slot_Tm": "16:00-20:00", "DriverOwnChs_Flg": "N", "DriverID_Num": "69086502F9FF", "Driver_Nm": "ROGER SIMMONS", "TruckPlate_Nbr": "1069978", }] }] } } }</pre>			

	<pre> "Gate_Id": "MOB GATE", "ApptType_Cd": "IP", "ApptType_Dsc": "IMPORT PICKUP", "ApptStatus_Cd": "W", "ApptStatus_Dsc": "TENTATIVE", "Container_Num": "MSKU7893512", "CargoRef_Num": "967711134", "CargoRefType_Cd": "CON", "CargoRefType_Dsc": "BOL", "Line_Id": "MAE", "Con_Cd": "20GP86", "Ship_Cd": "C1E", "Voy_Num": "908E", "ErrSeverity_Ind": 2, "Modify_DtTm": "2020-07-06T09:22:00", "GateAppointmentErr": [{ "GateAppt_Id": 53151, "GateApptErr_Num": 140012, "GateApptErr_Dsc": "Driver is not registered with the Trucking Company", "ErrSeverity_Ind": 2 }, { "GateAppt_Id": 53151, "GateApptErr_Num": 140302, "GateApptErr_Dsc": "Container is on Demurrage Hold. If Demurrage is not paid within Terminal deadline this appointment will be cancelled.", "ErrSeverity_Ind": 2 }] }, { "GateAppt_Id": 53164, "TruckVisitAppt_Id": 48881, "GateAppt_Num": "001648", "GateAppt_Dt": "2020-07-13T00:00:00", "Slot_Tm": "16:00-20:00", "DriverOwnChs_Flg": "N", "DriverID_Num": "69086502F9FF", "Driver_Nm": "ROGER SIMMONS", "TruckPlate_Nbr": "1069978", "Gate_Id": "MOB GATE", "ApptType_Cd": "XD", "ApptType_Dsc": "EXPORT DROPOFF", "ApptStatus_Cd": "W", "ApptStatus_Dsc": "TENTATIVE", "Container_Num": "WFHU1146576", "CargoRef_Num": "NAM3645690", "CargoRefType_Cd": null, "CargoRefType_Dsc": "BOOK", </pre>
--	--

	<pre> "Line_Id": "CMA", "Con_Cd": "20GP86", "Ship_Cd": "DALI", "Voy_Num": "0PG3S", "ErrSeverity_Ind": 2, "Modify_DtTm": "2020-07-06T09:22:00", "GateAppointmentErr": [{ "GateAppt_Id": 53164, "GateApptErr_Num": 140012, "GateApptErr_Dsc": "Driver is not registered with the Trucking Company", "ErrSeverity_Ind": 2 }, { "GateAppt_Id": 53164, "GateApptErr_Num": 140050, "GateApptErr_Dsc": "Container mismatch Export requirements", "ErrSeverity_Ind": 2 }] }] }] } }, "UserMessages": [] } } </pre>
Request Validations	1. Gate appointment start date is required <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "responseData": { "TruckVisitAppointment": null, "TotalApptCount": 0 }, "UserMessages": [{ "MessageNo": 800012, "MessageDescription": "Gate appointment start date is required", "MessageSeverity": 3 }] } } </pre>

```
}
]
}
}
```

2. Gate appointment end date is required

```
{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "ResponseData": {
      "TruckVisitAppointment": null,
      "TotalApptCount": 0
    },
    "UserMessages": [
      {
        "MessageNo": 800014,
        "MessageDescription": "Gate appointment end date is required",
        "MessageSeverity": 3
      }
    ]
  }
}
```

2. Gate Appointment start date is invalid

```
{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMTM",
      "MTO_Nm": "MOIN"
    },
    "ResponseData": {
      "AvailableSlots": null
    },
    "UserMessages": [
      {
        "MessageNo": 800017,
        "MessageDescription": "GateAppt start date is invalid",
        "MessageSeverity": 3
      }
    ]
  }
}
```

```

    }
  ]
}
}
}
3. Gate Appointment end date is invalid
{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMTM",
      "MTO_Nm": "MOIN"
    },
    "ResponseData": {
      "AvailableSlots": null
    },
    "UserMessages": [
      {
        "MessageNo": 800017,
        "MessageDescription": "GateAppt end date is invalid",
        "MessageSeverity": 3
      }
    ]
  }
}
}
4. Gate appointment start date cannot be greater than gate appointment end date
{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "ResponseData": {
      "TruckVisitAppointment": null,
      "TotalApptCount": 0
    },
    "UserMessages": [
      {
        "MessageNo": 800013,
        "MessageDescription": "Gate appointment start date cannot be after the gate
appointment end date",
        "MessageSeverity": 3
      }
    ]
  }
}

```

```

    }
  }

5. Date range validation (date range value is configurable)

{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "ResponseData": {
      "TruckVisitAppointment": null,
      "TotalApptCount": 0
    },
    "UserMessages": [
      {
        "MessageNo": 800015,
        "MessageDescription": "The date range can only be 30 days long",
        "MessageSeverity": 3
      }
    ]
  }
}

```

4.3 Cancel Appointment Method Details

Request URL	{BaseURL}/api/MyAppointment/PostCancelAppointment										
Request Method Type	HTTPS Post										
Request Headers	Authorization: JWT eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmRldWVfbmFtZSI6Im1vYnRydWNRZXliLCJuYmYiOiE1NjI1ODAzMTg5ImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DILHtq5uM Content-Type : application/json; charset=UTF-8										
Requirement Details	API method to cancel appointment from TERMPoint appointment system										
Request Parameters	<table border="1"> <thead> <tr> <th>Name</th><th>Required</th><th>Data Type</th><th>Sample expected values</th></tr> </thead> <tbody> <tr> <td>GateAppt_Id</td><td>Yes</td><td>Number</td><td>53160</td></tr> </tbody> </table> TERMPoint application allow to cancel appointments only if appointment status is W – Tentative, C – Confirmed or R – Rejected			Name	Required	Data Type	Sample expected values	GateAppt_Id	Yes	Number	53160
Name	Required	Data Type	Sample expected values								
GateAppt_Id	Yes	Number	53160								
Request Prototype	<pre>[{ "GateAppt_Id":50683 }, { "GateAppt_Id":53160 }]</pre> Request will support the list of gate appointment Id's to cancel at one go.										
Response Prototype	<pre>{ "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": null, "UserMessages": [{ "MessageNo": 800002, "MessageDescription": "Changes have been updated successfully.", "MessageSeverity": 1 }] } }</pre>										

	<pre> }] } } </pre>
Request Validations	1. Gate appointment id(s) are required <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": null, "UserMessages": [{ "MessageNo": 800016, "MessageDescription": "GateAppt_Id is required", "MessageSeverity": 3 }] } } </pre> 2. Gate appointment id(s) are negative or zero <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": null, "UserMessages": [{ "MessageNo": 800017, "MessageDescription": " GateAppt_Id is invalid", "MessageSeverity": 3 }] } } </pre> 3. Gate appointment id(s) have more then 50 records for cancellation. <pre> { "status": { </pre>

```
"StatusCode": 200,
"ReasonPhrase": "OK"
},
"responseBody": {
  "TerminalInfo": {
    "MTO_Cd": "APMMB",
    "MTO_Nm": "Mobile, Alabama"
  },
  "ResponseData": null,
  "UserMessages": [
    {
      "MessageNo": 800030,
      "MessageDescription": "You have reached the maximum number of appointments
allowed for cancel. ",
      "MessageSeverity": 3
    }
  ]
}
}
```

4. Gate appointment id(s) not exist in the system or Gate appointment id(s) have different Company id.

```
{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "ResponseData": null,
    "UserMessages": [
      {
        "MessageNo": 800018,
        "MessageDescription": "Gate Appointment 11111 doesn't exist",
        "MessageSeverity": 3
      }
    ]
  }
}
```

5. Gate appointment time is past

```
{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
```

	<pre> "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": null, "UserMessages": [{ "MessageNo": 600010, "MessageDescription": "Appointment # 001635 time is past.", "MessageSeverity": 3 }] } } </pre> 6. Gate appointment time is past <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": null, "UserMessages": [{ "MessageNo": 600010, "MessageDescription": "Appointment # 001635 time is past.", "MessageSeverity": 3 }] } } </pre> 7. Only Confirmed, Tentative, Error or Invalid appointments allowed to be Cancelled. <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": null, "UserMessages": [{ "MessageNo": 600009, </pre>
--	---

	<pre> "MessageDescription": " Only confirmed, tentative, rejected and Invalid appointments allowed to be cancelled ", "MessageSeverity": 3 }] } } </pre> 8. Some Gate Appointment id(s) have cancelled. <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": null, "UserMessages": [{ "MessageNo": 800002, "MessageDescription": " Gate Appointment 53343, 53346 have been updated successfully.", "MessageSeverity": 1 }] } } </pre>
--	--

4.4 Get Gate Appointment Details Method

Request URL	{BaseURL}/api/MyAppointment/GetGateAppointmentDetails											
Request Method Type	HTTPS Post											
Request Headers	• Authorization: JWT eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmhxdWVfbmFtZSI6Im1vYnRydWNRZXliLCJuYmYiOiE1NjI1ODAzMTgsImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DILHtq5uM • Content-Type : application/json; charset=UTF-8											
Requirement Details	API method to provide details of the single gate appointment											
Request Parameters	<table><tr><th>Name</th><th>Required</th><th>Data Type</th><th>Sample expected value</th></tr><tr><td>GateAppt_Id</td><td>Yes</td><td>Number</td><td>39641</td></tr></table>				Name	Required	Data Type	Sample expected value	GateAppt_Id	Yes	Number	39641
Name	Required	Data Type	Sample expected value									
GateAppt_Id	Yes	Number	39641									
Request Prototype	{ "GateAppt_Id": 39641 }											

Response Details	GateAppointment			
	Field Name	Column Name	Data Type	Sample expected value
	GateAppt_Id		Number	39641
	GateAppt_Num	Appointment #	Number	1945316
	GateAppt_Dt	Date	String	"2019-07-12T00:00:00"
	GateApptStart_Tm	Slot Start Time	String	"07:00"
	GateApptEnd_Tm	Slot End Time	String	"17:00"
	DriverOwnChs_Flg	Chassis Owned	String	"Y"
	DriverId_Num		String	"69086502F9FF"
	TruckPlate_Nbr	Truck	String	"1088650"
	ApptType_Cd		String	"XD"
	ApptType_Dsc	Function	String	"EXPORT DROPOFF"
	ApptStatus_Cd		String	"W"
	ApptStatus_Dsc	Appt Status	String	"TENTATIVE"
	Container_Num	Container #	String	"TRIU8051645"
	CargoRef_Num	Cargo Ref	String	"BKG123"
	CargoRefType_Cd		String	Possible values: BOOK/EDO/ERO/BOL/GRP/CON
	ShippingLine_Cd	Line Operator	String	"MSC"
	Con_Cd	Equip Size	String	"40RE96"
	Seal1_Num	Seal1	String	"SN12345678"
	Seal2_Num	Seal2	String	"SN87654321"
	Chassis_Num	Chassis #	String	"MKCZ345234"
	Genset_Num	Genset #	String	"GNJQ123321"
	Hazmat_Flg	Haz	String	"Y"
	Reefer_Flg	Reefer	String	"N"
	OD_Flg	O/D	String	"N"
	VGMSubmitted_Flg	VGM Submitted	String	"N"
	Available_Flg	Appt Ready	String	"Y"
	Error_Severity		Number	Possible Values: 1 – Information, 2 – Warning, 3 – Error
	Position_On_Truck		Number	Possible Values : 1 - 20" IN FRONT POSITION, 2 - 20" OR 40" IN MIDDLE POSITION, 3 - 20" IN BACK POSITION
	GateAppointmentErr			
	Field Name	Column Name	Data Type	Sample expected value
	GateAppt_Id		Number	39277
	GateApptErr_Num	Err Number	Number	140174
	GateApptErr_Dsc	Err Description	String	"Yard Block capacity is reached"
	ErrSeverity_Ind		Number	2
Request validations	1. Gate appointment id is required {			

```
"status": {
  "StatusCode": 200,
  "ReasonPhrase": "OK"
},
"responseBody": {
  "TerminalInfo": {
    "MTO_Cd": "APMMB",
    "MTO_Nm": "Mobile, Alabama"
  },
  "ResponseData": null,
  "UserMessages": [
    {
      "MessageNo": 800016,
      "MessageDescription": "GateAppt_Id is required",
      "MessageSeverity": 3
    }
  ]
}
```

2. Gate appointment id is negative or zero

```
{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "ResponseData": null,
    "UserMessages": [
      {
        "MessageNo": 800017,
        "MessageDescription": "Invalid value",
        "MessageSeverity": 3
      }
    ]
  }
}
```

3. Gate appointment id not exist

```
{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
```

	<pre> "MTO_Nm": "Mobile, Alabama" }, "ResponseData": null, "UserMessages": [{ "MessageNo": 800018, "MessageDescription": "Gate Appointment 11111 doesn't exist", "MessageSeverity": 3 }] } } </pre>
--	---

Response Prototype	<pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": { "GateAppointment": { "GateAppt_Id": 39277, "GateAppt_Num": "1945316", "GateAppt_Dt": "2019-07-12 T00:00:00", "GateApptStart_Tm": "07:00", "GateApptEnd_Tm": "17:00", "DriverOwnChs_Flg": "Y", "DriverId_Num": "69086502F9FF", "TruckPlate_Nbr": "1088650", "ApptType_Cd": "XD", "ApptType_Dsc": "EXPORT DROPOFF", "ApptStatus_Cd": "W", "ApptStatus_Dsc": "TENTATIVE", "Container_Num": "TRIU8051645", "CargoRef_Num": "CALB799088", "CargoRefType_Cd": "BOOK", "ShippingLine_Cd": "HMM", "Con_Cd": "40RE96", "Seal1_Num": "SN12345678" "Seal2_Num": NULL "Chassis_Num": "MKCZ345234" "Genset_Num": "GNJQ123321" "Hazmat_Flg": "N" } } } } </pre>
-----------------------	--

```

"Reefer_Flg": "Y"
"OD_Flg": "N"
"VGMSubmitted_Flg": "N"
"Available_Flg": NULL,
"Position_On_Truck": 1
"Error_Severity": 2,
"GateAppointmentErr": [
  {
    "GateAppt_Id": 53151,
    "GateApptErr_Num": 140012,
    "GateApptErr_Dsc": "Driver is not registered with the Trucking Company",
    "ErrSeverity_Ind": 2
  },
  {
    "GateAppt_Id": 53151,
    "GateApptErr_Num": 140302,
    "GateApptErr_Dsc": "Container is on Demurrage Hold. If Demurrage is not paid within
Terminal deadline this appointment will be cancelled.",
    "ErrSeverity_Ind": 2
  }
]
},
"UserMessages": []
}

```

4.5 Get Available Time Slots Method

Request URL	{BaseURL}/api/MyAppointment/GetAvailableTimeSlots																										
Request Method Type	HTTPS Post																										
Request Headers	Authorization: JWT eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmhxdWVfbmFtZSI6Im1vYnRydWNRZXliLCJuYmYiOiJlNjI1ODAzMTg5ImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DILHtq5uM Content-Type : application/json; charset=UTF-8																										
Requirement Details	API method to get all available time slots for specified date and appointment type																										
Request Parameters	<table border="1"> <thead> <tr> <th>Name</th><th>Required</th><th>Data Type</th><th>Sample expected value</th></tr> </thead> <tbody> <tr> <td>GateAppt_Dt</td><td>Yes</td><td>String</td><td>"2019-07-30T00:00:00"</td></tr> <tr> <td>GateApptStart_Tm</td><td>No</td><td>String</td><td>"08:00"</td></tr> <tr> <td>ApptType_Cd</td><td>Yes</td><td>String</td><td>"IP"</td></tr> <tr> <td>Container_Num</td><td>No</td><td>String</td><td>"TRIU8051645"</td></tr> <tr> <td>GateAppt_Id</td><td>No</td><td>String</td><td>"53168"</td></tr> </tbody> </table>			Name	Required	Data Type	Sample expected value	GateAppt_Dt	Yes	String	"2019-07-30T00:00:00"	GateApptStart_Tm	No	String	"08:00"	ApptType_Cd	Yes	String	"IP"	Container_Num	No	String	"TRIU8051645"	GateAppt_Id	No	String	"53168"
Name	Required	Data Type	Sample expected value																								
GateAppt_Dt	Yes	String	"2019-07-30T00:00:00"																								
GateApptStart_Tm	No	String	"08:00"																								
ApptType_Cd	Yes	String	"IP"																								
Container_Num	No	String	"TRIU8051645"																								
GateAppt_Id	No	String	"53168"																								
Request Prototype	<pre>{ "GateAppt_Dt": "2019-07-26T00:00:00", "ApptType_Cd": "IP", "GateAppt_Id": "50772", "GateApptStart_Tm": "08:00", "Container_Num": "TRIU8051645" }</pre> - GateAppt_Dt and ApptType_Cd are mandatory to derive available time slots for the mentioned date and appointment type. - Appointment type "IP – Import pickup" will only expect Container_Num to derive available time slots by date, appointment type and container. - GateApptStart_Tm and GateAppt_Id will help to identify the existing appointment, so that we can send that slot back as a response even that slot is unavailable.																										

Response Details	<table><tr><th colspan="4">RG_AvailableSlots</th></tr><tr><th>Field Name</th><th>Column Name</th><th>Data Type</th><th>Sample expected value</th></tr><tr><td>SlotSchedule_Id</td><td></td><td>Number</td><td>33206</td></tr><tr><td>Slot_Tm</td><td>Slot</td><td>String</td><td>“08:00 - 12:00” or “08:00 – 12:00”</td></tr></table> Slot_Tm : This field in response will contain the slot with or without slot count availability figure based on the terminal. It is configuration driven either the terminal want to expose the counts to end users or not and most importantly it is only for Import pickup, rest of the appointment types will receive only slot without count.	RG_AvailableSlots				Field Name	Column Name	Data Type	Sample expected value	SlotSchedule_Id		Number	33206	Slot_Tm	Slot	String	“08:00 - 12:00” or “08:00 – 12:00”
RG_AvailableSlots																	
Field Name	Column Name	Data Type	Sample expected value														
SlotSchedule_Id		Number	33206														
Slot_Tm	Slot	String	“08:00 - 12:00” or “08:00 – 12:00”														
Response Prototype	<pre>{ "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": { "AvailableSlots": [{ "SlotSchedule_Id": "50003", "Slot_Tm": "07:00 - 08:00 (900)" }, { "SlotSchedule_Id": "50004", "Slot_Tm": "08:00 - 10:00 (1000)" }, { "SlotSchedule_Id": "50005", "Slot_Tm": "10:00 - 12:00 (1000)" }, { "SlotSchedule_Id": "50006", "Slot_Tm": "12:00 - 14:00 (1000)" }, { "SlotSchedule_Id": "50007", "Slot_Tm": "14:00 - 16:00 (1000)" }, { "SlotSchedule_Id": "50008", "Slot_Tm": "16:00 - 20:00 (1000)" }] } }</pre>																

	<pre> }] }, "UserMessages": [] } } </pre>
Request validations	1. Gate appointment date is required <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": { "AvailableSlots": null }, "UserMessages": [{ "MessageNo": 800016, "MessageDescription": "GateAppt_Dt is required", "MessageSeverity": 3 }] } } </pre> 2. Gate Appointment date is invalid <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMTM", "MTO_Nm": "MOIN" }, "ResponseData": { "AvailableSlots": null }, "UserMessages": [{ "MessageNo": 800017, "MessageDescription": "GateAppt_Dt is invalid", "MessageSeverity": 3 }] } } </pre>

```
}
]
}
}
```

2. Appointment type is required

```
{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "ResponseData": {
      "AvailableSlots": null
    },
    "UserMessages": [
      {
        "MessageNo": 800016,
        "MessageDescription": "ApptType_Cd is required",
        "MessageSeverity": 3
      }
    ]
  }
}
```

4.6 Post Create Appointments Method

Request URL	{BaseURL}/api/MyAppointment/PostCreateAppointment																																																																	
Request Method Type	HTTPS Post																																																																	
Request Headers	Authorization: JWT eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmhxdWVfbmFtZSI6Im1vYnRydWNRZXliLCJuYmYiOiJlNjI0ODAzMTgslmV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DILHtq5uM Content-Type : application/json ; charset=UTF-8																																																																	
Requirement Details	API method to post one or more appointment details to create new appointments. System will validate appointment details, submit data to TERMPoint and TOS system, and return appointment confirmation details																																																																	
Required data fields	Please refer to section 3.7 in this document to obtain required data fields for each Terminal and appointment type.																																																																	
Request Parameters	<table><thead><tr><th>Name</th><th>Data Type</th><th>Sample expected value</th></tr></thead><tbody><tr><td>ApptType_Cd</td><td>String</td><td>“XD”</td></tr><tr><td>GateAppt_Dt</td><td>String</td><td>“2020-07-30T00:00:00”</td></tr><tr><td>GateApptStart_Tm</td><td>String</td><td>“07:00”</td></tr><tr><td>DriverId_Num</td><td>String</td><td>“69086502F9FF”</td></tr><tr><td>CargoRef_Num</td><td>String</td><td>“038VC0464272”</td></tr><tr><td>CargoRefType_Cd</td><td>String</td><td>“BOOK”</td></tr><tr><td>ShippingLine_Cd</td><td>String</td><td>“MAE”</td></tr><tr><td>DriverOwnChs_Flg</td><td>String</td><td>“Y”</td></tr><tr><td>Container_Num</td><td>String</td><td>“FSCU6954495”</td></tr><tr><td>Chassis_Num</td><td>String</td><td>“APMZ3453453”</td></tr><tr><td>Genset_Num</td><td>String</td><td>“APHJ8450”</td></tr><tr><td>Con_Cd</td><td>String</td><td>“40GP96”</td></tr><tr><td>Reefer_Flg</td><td>String</td><td>“N”</td></tr><tr><td>Hazmat_Flg</td><td>String</td><td>“N”</td></tr><tr><td>OD_Flg</td><td>String</td><td>“Y”</td></tr><tr><td>Seal1_Num</td><td>String</td><td>“323423433367”</td></tr><tr><td>Seal2_Num</td><td>String</td><td>“323423433368”</td></tr><tr><td>TruckPlate_Nbr</td><td>String</td><td>“1088650”</td></tr><tr><td>VGMSubmitted_Flg</td><td>String</td><td>“N”</td></tr><tr><td>Position_On_Truck</td><td>Number</td><td>1</td></tr></tbody></table>			Name	Data Type	Sample expected value	ApptType_Cd	String	“XD”	GateAppt_Dt	String	“2020-07-30T00:00:00”	GateApptStart_Tm	String	“07:00”	DriverId_Num	String	“69086502F9FF”	CargoRef_Num	String	“038VC0464272”	CargoRefType_Cd	String	“BOOK”	ShippingLine_Cd	String	“MAE”	DriverOwnChs_Flg	String	“Y”	Container_Num	String	“FSCU6954495”	Chassis_Num	String	“APMZ3453453”	Genset_Num	String	“APHJ8450”	Con_Cd	String	“40GP96”	Reefer_Flg	String	“N”	Hazmat_Flg	String	“N”	OD_Flg	String	“Y”	Seal1_Num	String	“323423433367”	Seal2_Num	String	“323423433368”	TruckPlate_Nbr	String	“1088650”	VGMSubmitted_Flg	String	“N”	Position_On_Truck	Number	1
Name	Data Type	Sample expected value																																																																
ApptType_Cd	String	“XD”																																																																
GateAppt_Dt	String	“2020-07-30T00:00:00”																																																																
GateApptStart_Tm	String	“07:00”																																																																
DriverId_Num	String	“69086502F9FF”																																																																
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TruckPlate_Nbr	String	“1088650”																																																																
VGMSubmitted_Flg	String	“N”																																																																
Position_On_Truck	Number	1																																																																
Request Prototype	[{ “GateAppt_Dt” : “2020-07-30T00:00:00”, “GateApptStart_Tm” : “07:00”, “DriverId_Num” : “69086502F9FF”, }																																																																	

	<pre> "CargoRef_Num": "038VC0464272", "ShippingLine_Cd": "MAE", "DriverOwnChs_Flg": "Y", "Container_Num": "FSCU6954495", "Chassis_Num": "APMZ3453453" "Genset_Num": "GEN12345", "Con_Cd": "40GP86", "Reefer_Flg": "N", "Hazmat_Flg": "N", "OD_Flg": "N", "Seal1_Num": "S1", "Seal2_Num": "SEAL2", "ApptType_Cd": "XD", "TruckPlate_Nbr": "1088650", "CargoRefType_Cd": "BOOK", "VGMSubmitted_Flg": "N", "Position_On_Truck": 1 }, { "GateAppt_Dt": "2020-07-30T00:00:00", "GateApptStart_Tm": "07:00", "DriverId_Num": "69086502F9FF", "CargoRef_Num": "", "ShippingLine_Cd": "MAE", "DriverOwnChs_Flg": "Y", "Container_Num": "FSCU6954495", "Chassis_Num": "APMZ3453453" "Genset_Num": "", "Con_Cd": "40GP86", "Reefer_Flg": "N", "Hazmat_Flg": "N", "OD_Flg": "N", "Seal1_Num": "", "Seal2_Num": "", "ApptType_Cd": "IP", "TruckPlate_Nbr": "1088650", "CargoRefType_Cd": "", "VGMSubmitted_Flg": "N", "Position_On_Truck": 1 }] </pre>
Request validations	<pre> 1. Gate appointment type code is required { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", </pre>

	<pre> "MTO_Nm": "Mobile, Alabama" }, "responseData": { "ConfirmedAppt": [], "TentativeAppt": [], "DeclinedAppt": [] }, "userMessages": [{ "MessageNo": 800016, "MessageDescription": "ApptType_Cd is required", "MessageSeverity": 3 }] } } } </pre> 2. Field value is invalid <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "responseData": { "ConfirmedAppt": [], "TentativeAppt": [], "DeclinedAppt": [] }, "userMessages": [{ "MessageNo": 80001xx, "MessageDescription": "{ Field value } is invalid", "MessageSeverity": 3 }] } } </pre> 3. You are not authorized to Create appointments <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", </pre>
--	---

	<pre> "MTO_Nm": "Mobile, Alabama" }, "responseData": { "confirmedAppt": [], "tentativeAppt": [], "declinedAppt": [] }, "userMessages": [{ "messageNo": 80001xx, "messageDescription": "You are not authorized to create appointments", "messageSeverity": 3 }] } } } </pre> 4. Gate Appointment Date was submitted, but Gate Appointment Start Time is missing <pre> { "status": { "statusCode": 200, "reasonPhrase": "OK" }, "responseBody": { "terminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "responseData": { "confirmedAppt": [], "tentativeAppt": [], "declinedAppt": [] }, "userMessages": [{ "messageNo": 80001xx, "messageDescription": " Gate Appointment Date was submitted, but Gate Appointment Start Time is missing", "messageSeverity": 3 }] } } </pre> 5. Cargo Reference Type Code was submitted, but Cargo Reference Number is missing <pre> { "status": { "statusCode": 200, "reasonPhrase": "OK" }, "responseBody": { </pre>
--	---

	<pre> "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": { "ConfirmedAppt": [], "TentativeAppt": [], "DeclinedAppt": [] }, "UserMessages": [{ "MessageNo": 80001xx, "MessageDescription": " Cargo Reference Type Code was submitted, but Cargo Reference Number is missing ", "MessageSeverity": 3 }] } } </pre> 6. Cargo Reference Type Code is invalid <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": { "ConfirmedAppt": [], "TentativeAppt": [], "DeclinedAppt": [] }, "UserMessages": [{ "MessageNo": 80001xx, "MessageDescription": " Cargo Reference Type Code is invalid ", "MessageSeverity": 3 }] } } </pre> 7. Own Chassis/Reefer/Hazmat/OD/VGM Submitted Flags is invalid <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, </pre>
--	---

```

"responseBody": {
  "TerminalInfo": {
    "MTO_Cd": "APMMB",
    "MTO_Nm": "Mobile, Alabama"
  },
  "ResponseData": {
    "ConfirmedAppt": [],
    "TentativeAppt": [],
    "DeclinedAppt": []
  },
  "UserMessages": [
    {
      "MessageNo": 80001xx,
      "MessageDescription": " {Own Chassis/Reefer/Hazmat/OD/VGM Submitted Flags} is
invalid ",
      "MessageSeverity": 3
    }
  ]
}

```

8. Gate Appointment Start Time is invalid

```

{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "ResponseData": {
      "ConfirmedAppt": [],
      "TentativeAppt": [],
      "DeclinedAppt": []
    },
    "UserMessages": [
      {
        "MessageNo": 80001xx,
        "MessageDescription": " Gate Appointment Start Time is invalid ",
        "MessageSeverity": 3
      }
    ]
  }
}

```

9. Gate Appointment Date is invalid

```

{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  }
}

```

```

},
"responseBody": {
  "TerminalInfo": {
    "MTO_Cd": "APMMB",
    "MTO_Nm": "Mobile, Alabama"
  },
  "ResponseData": {
    "ConfirmedAppt": [],
    "TentativeAppt": [],
    "DeclinedAppt": []
  },
  "UserMessages": [
    {
      "MessageNo": 80001xx,
      "MessageDescription": " Gate Appointment Date is invalid ",
      "MessageSeverity": 3
    }
  ]
}
}

```

/**/*****//

The request will be strictly validated for mandatory fields, specified formats of certain fields, combination validation (for ex: CargoRefType_Cd is required when CargoRef_Num supplied), driver and truck derivations based on Driver licence and truck plate number input etc.. and finally processed against all TERMPoint business rule validations.

Response Details

TN_GateApptConfirmation			
Field Name	Column Name	Data Type	Sample expected value
GateApptOutputId		Number	1
GateAppt_Num	Appointment #	String	"1945391"
GateAppt_DtTm			"07/30/2020 - 16:00 - 20:00"
Status	Status	String	"Tentative appointment created"
Gate_Id	Gate	String	"MOB GATE"
Container_Num	Container #	String	"FSCU6954495"
EquipSize	Equip Size	String	"40GP96"
CargoRef_Num	Cargo Reference #	String	"038VC0464272"
ErrSeverity	Error	Number	2

ErrorDescription			
Field Name	Column Name	Data Type	Sample expected value
Info		String	NULL
Warning		String	"140012 - Driver is not registered with the Trucking Company", "140141 - Appointment time is after vessel cut-off"
Error		String	NULL

Response Prototype

```
{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "responseData": {
      "ConfirmedAppt": [],
      "TentativeAppt": [
        {
          "GateApptOutputId": 1,
          "Status": "Tentative appointment created.",
          "GateAppt_DtTm": "07/30/2020 - 16:00 - 20:00",
          "GateAppt_Num": "001648",
          "Gate_Id": "MOB GATE",
          "Container_Num": "MSKU7893512",
          "EquipSize": "20GP86".
        }
      ]
    }
  }
}
```

	<pre> "CargoRef_Num": "967711134", "ErrSeverity_Ind": 2, "GateApptMessages": { "Info": [], "Warning": ["140012 - Driver is not registered with the Trucking Company", "140302 - Container is on Demurrage Hold. If Demurrage is not paid within Terminal deadline this appointment will be cancelled."], "Error": [] } }, { "GateApptOutputId": 2, "Status": "Tentative appointment created.", "GateAppt_DtTm": "07/30/2020 - 16:00 - 20:00", "GateAppt_Num": "001649", "Gate_Id": "MOB GATE", "Container_Num": "WFHU1146576", "EquipSize": "20GP86", "CargoRef_Num": "NAM3645690", "ErrSeverity_Ind": 2, "GateApptMessages": { "Info": [], "Warning": ["140012 - Driver is not registered with the Trucking Company", "140050 - Container mismatch Export requirements"], "Error": [] } }], "DeclinedAppt": [] }, "UserMessages": [] } } </pre>
Response Details	Response will have 3 properties i.e. ConfirmedAppt, TentativeAppt, DeclinedAppt and each property can have 3 nested properties i.e. Info, Warning, Error. For ex, All Confirmed appointments created will be in ConfirmedAppt, all tentative appointments created will be in TentativeAppt, and all declined appointments will be in DeclinedAppt properties. Each type of appointment can have appointment messages or business rule validation messages in the nested Info, Warning or Error properties accordingly.

4.7 Post Manage Appointment Method

Request URL	{BaseURL}/api/MyAppointment/PostManageAppointment																																																																				
Request Method Type	HTTPS Post																																																																				
Request Headers	Authorization: JWT eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmhldXVfYmFtZSI6Im1vYnRydWNRZXliLCJuYmYiOiE1NjI1ODAzMTg5ImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DILHtq5uM Content-Type : application/json ; charset=UTF-8																																																																				
Requirement Details	API method to post appointment changes made by the user. System will validate appointment details, submit data to TERMPoint and TOS system, and return appointment confirmation details																																																																				
Required data fields	GateAppt_Id is the only required field to update an appointment																																																																				
Request Parameters	<table><thead><tr><th>Name</th><th>Data Type</th><th>Sample expected value</th></tr></thead><tbody><tr><td>GateAppt_Id</td><td>Number</td><td>50953</td></tr><tr><td>ApptType_Cd</td><td>String</td><td>"XD"</td></tr><tr><td>GateAppt_Dt</td><td>String</td><td>"2020-07-30T00:00:00"</td></tr><tr><td>GateApptStart_Tm</td><td>String</td><td>"07:00"</td></tr><tr><td>DriverId_Num</td><td>String</td><td>"69086502F9FF"</td></tr><tr><td>CargoRef_Num</td><td>String</td><td>"038VC0464272"</td></tr><tr><td>CargoRefType_Cd</td><td>String</td><td>"BOOK"</td></tr><tr><td>ShippingLine_Cd</td><td>String</td><td>"MAE"</td></tr><tr><td>DriverOwnChs_Flg</td><td>String</td><td>"Y"</td></tr><tr><td>Container_Num</td><td>String</td><td>"FSCU6954495"</td></tr><tr><td>Chassis_Num</td><td>String</td><td>"APMZ3453453"</td></tr><tr><td>Genset_Num</td><td>String</td><td>"APHJ8450"</td></tr><tr><td>Con_Cd</td><td>String</td><td>"40GP96"</td></tr><tr><td>Reefer_Flg</td><td>String</td><td>"N"</td></tr><tr><td>Hazmat_Flg</td><td>String</td><td>"N"</td></tr><tr><td>OD_Flg</td><td>String</td><td>"Y"</td></tr><tr><td>Seal1_Num</td><td>String</td><td>"323423433367"</td></tr><tr><td>Seal2_Num</td><td>String</td><td>"323423433368"</td></tr><tr><td>TruckPlate_Nbr</td><td>String</td><td>"1088650"</td></tr><tr><td>VGMSubmitted_Flg</td><td>String</td><td>"N"</td></tr><tr><td>Position_On_Truck</td><td>Number</td><td>1</td></tr></tbody></table>			Name	Data Type	Sample expected value	GateAppt_Id	Number	50953	ApptType_Cd	String	"XD"	GateAppt_Dt	String	"2020-07-30T00:00:00"	GateApptStart_Tm	String	"07:00"	DriverId_Num	String	"69086502F9FF"	CargoRef_Num	String	"038VC0464272"	CargoRefType_Cd	String	"BOOK"	ShippingLine_Cd	String	"MAE"	DriverOwnChs_Flg	String	"Y"	Container_Num	String	"FSCU6954495"	Chassis_Num	String	"APMZ3453453"	Genset_Num	String	"APHJ8450"	Con_Cd	String	"40GP96"	Reefer_Flg	String	"N"	Hazmat_Flg	String	"N"	OD_Flg	String	"Y"	Seal1_Num	String	"323423433367"	Seal2_Num	String	"323423433368"	TruckPlate_Nbr	String	"1088650"	VGMSubmitted_Flg	String	"N"	Position_On_Truck	Number	1
Name	Data Type	Sample expected value																																																																			
GateAppt_Id	Number	50953																																																																			
ApptType_Cd	String	"XD"																																																																			
GateAppt_Dt	String	"2020-07-30T00:00:00"																																																																			
GateApptStart_Tm	String	"07:00"																																																																			
DriverId_Num	String	"69086502F9FF"																																																																			
CargoRef_Num	String	"038VC0464272"																																																																			
CargoRefType_Cd	String	"BOOK"																																																																			
ShippingLine_Cd	String	"MAE"																																																																			
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TruckPlate_Nbr	String	"1088650"																																																																			
VGMSubmitted_Flg	String	"N"																																																																			
Position_On_Truck	Number	1																																																																			
Request Prototype	{ "GateAppt_Id":50953 "GateAppt_Dt": "2020-07-30T00:00:00", "GateApptStart_Tm": "07:00", "DriverId_Num": "69086502F9FF", "CargoRef_Num": "038VC0464272",																																																																				

	<pre> "ShippingLine_Cd": "MAE", "DriverOwnChs_Flg": "Y", "Container_Num": "FSCU6954495", "Chassis_Num": "APMZ3453453", "Genset_Num": "GEN12345", "Con_Cd": "40GP86", "Reefer_Flg": "N", "Hazmat_Flg": "N", "OD_Flg": "N", "Seal1_Num": "S1", "Seal2_Num": "SEAL2", "ApptType_Cd": "XD", "TruckPlate_Nbr": "1088650", "CargoRefType_Cd": "BOOK", "VGMSubmitted_Flg": "N", "Position_On_Truck": 1 } </pre>
Request validations	1. Gate appointment id is required <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": { "ConfirmedAppt": [], "TentativeAppt": [], "DeclinedAppt": [] }, "UserMessages": [{ "MessageNo": 800016, "MessageDescription": "GateAppt_Id is required", "MessageSeverity": 3 }] } } </pre> 2. Gate appointment id does not exist <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { </pre>

```

"TerminalInfo": {
  "MTO_Cd": "APMMB",
  "MTO_Nm": "Mobile, Alabama"
},
"ResponseData": {
  "ConfirmedAppt": [],
  "TentativeAppt": [],
  "DeclinedAppt": []
},
"UserMessages": [
  {
    "MessageNo": 800018,
    "MessageDescription": "Gate Appointment 11111 doesn't exist",
    "MessageSeverity": 3
  }
]
}

```

3. Gate appointment type code is required

```

{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "ResponseData": {
      "ConfirmedAppt": [],
      "TentativeAppt": [],
      "DeclinedAppt": []
    },
    "UserMessages": [
      {
        "MessageNo": 80001xx,
        "MessageDescription": "Gate Appointment type code is required",
        "MessageSeverity": 3
      }
    ]
  }
}

```

4. Gate appointment id is invalid

```

{
  "status": {
    "StatusCode": 200,

```

```

    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "ResponseData": {
      "ConfirmedAppt": [],
      "TentativeAppt": [],
      "DeclinedAppt": []
    },
    "UserMessages": [
      {
        "MessageNo": 80001xx,
        "MessageDescription": "Gate Appointment id is invalid",
        "MessageSeverity": 3
      }
    ]
  }
}

```

5. Gate appointment type code is invalid

```

{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "ResponseData": {
      "ConfirmedAppt": [],
      "TentativeAppt": [],
      "DeclinedAppt": []
    },
    "UserMessages": [
      {
        "MessageNo": 80001xx,
        "MessageDescription": "Gate Appointment type code is invalid",
        "MessageSeverity": 3
      }
    ]
  }
}

```

6. Appointment can only be updated when in a Confirmed/Tentative/Rejected status.

```

{

```

```
"status": {
  "StatusCode": 200,
  "ReasonPhrase": "OK"
},
"responseBody": {
  "TerminalInfo": {
    "MTO_Cd": "APMMB",
    "MTO_Nm": "Mobile, Alabama"
  },
  "ResponseData": {
    "ConfirmedAppt": [],
    "TentativeAppt": [],
    "DeclinedAppt": []
  },
  "UserMessages": [
    {
      "MessageNo": 60000x,
      "MessageDescription": "Appointment can only be updated when in a
Confirmed/Tentative/Rejected status.",
      "MessageSeverity": 3
    },
    {
      "MessageNo": 8000xx,
      "MessageDescription": "Changes have been updated successfully.",
      "MessageSeverity": 1
    }
  ]
}
```

7. Field value is invalid

```
{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "ResponseData": {
      "ConfirmedAppt": [],
      "TentativeAppt": [],
      "DeclinedAppt": []
    },
    "UserMessages": [
      {
        "MessageNo": 80001xx,
        "MessageDescription": "{ Field value } is invalid",

```

	<pre> "MessageSeverity": 3 }] } } </pre> 8. You are not authorized to update appointments <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": { "ConfirmedAppt": [], "TentativeAppt": [], "DeclinedAppt": [] }, "UserMessages": [{ "MessageNo": 80001xx, "MessageDescription": "You are not authorized to update appointments", "MessageSeverity": 3 }] } } </pre> 9. Gate Appointment Date was submitted, but Gate Appointment Start Time is missing <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": { "ConfirmedAppt": [], "TentativeAppt": [], "DeclinedAppt": [] }, "UserMessages": [{ "MessageNo": 80001xx, </pre>
--	---

	<pre> "MessageDescription": " Gate Appointment Date was submitted, but Gate Appointment Start Time is missing", "MessageSeverity": 3 }] } } } 10. Cargo Reference Type Code was submitted, but Cargo Reference Number is missing { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": { "ConfirmedAppt": [], "TentativeAppt": [], "DeclinedAppt": [] }, "UserMessages": [{ "MessageNo": 80001xx, "MessageDescription": " Cargo Reference Type Code was submitted, but Cargo Reference Number is missing ", "MessageSeverity": 3 }] } } 11. Cargo Reference Type Code is invalid { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": { "ConfirmedAppt": [], "TentativeAppt": [], "DeclinedAppt": [] }, "UserMessages": [</pre>
--	--

	<pre> { "MessageNo": 80001xx, "MessageDescription": " Cargo Reference Type Code is invalid ", "MessageSeverity": 3 }] } } </pre> 12. Own Chassis/Reefer/Hazmat/OD/VGM Submitted Flags is invalid <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": null, "UserMessages": [{ "MessageNo": 80001xx, "MessageDescription": " {Own Chassis/Reefer/Hazmat/OD/VGM Submitted Flags} is invalid ", "MessageSeverity": 3 }] } } </pre> 13. Gate Appointment Start Time is invalid <pre> { "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "ResponseData": { "ConfirmedAppt": [], "TentativeAppt": [], "DeclinedAppt": [] }, "UserMessages": [{ "MessageNo": 80001xx, </pre>
--	--

```

        "MessageDescription": " Gate Appointment Start Time is invalid ",
        "MessageSeverity": 3
    }
  ]
}
}

```

14. Gate Appointment Date is invalid

```

{
  "status": {
    "StatusCode": 200,
    "ReasonPhrase": "OK"
  },
  "responseBody": {
    "TerminalInfo": {
      "MTO_Cd": "APMMB",
      "MTO_Nm": "Mobile, Alabama"
    },
    "ResponseData": {
      "ConfirmedAppt": [],
      "TentativeAppt": [],
      "DeclinedAppt": []
    },
    "UserMessages": [
      {
        "MessageNo": 80001xx,
        "MessageDescription": " Gate Appointment Date is invalid ",
        "MessageSeverity": 3
      }
    ]
  }
}

```

//*****//

The request will be strictly validated for mandatory fields, specified formats of certain fields, combination validation (for ex: CargoRefType_Cd is required when CargoRef_Num supplied), driver and truck derivations based on Driver licence and truck plate number input etc.. and finally processed against all TERMPoint business rule validations.

Response Details	TN_GateApptConfirmation			
	Field Name	Column Name	Data Type	Sample expected value
	GateApptOutputId		Number	1
	GateAppt_Num	Appointment #	String	"1945391"
	GateAppt_DtTm			"07/30/2020 - 16:00 - 20:00"
	Status	Status	String	"Tentative appointment created"
	Gate_Id	Gate	String	"MOB GATE"
	Container_Num	Container #	String	"FSCU6954495"
	EquipSize	Equip Size	String	"40GP96"
	CargoRef_Num	Cargo Reference #	String	"038VC0464272"
	ErrSeverity	Error	Number	2
	ErrorDescription			
	Field Name	Column Name	Data Type	Sample expected value
	Info		String	NULL
	Warning		String	"140012 - Driver is not registered with the Trucking Company", "140141 - Appointment time is after vessel cut-off"
	Error		String	NULL
Response Prototype	<pre>{ "status": { "StatusCode": 200, "ReasonPhrase": "OK" }, "responseBody": { "TerminalInfo": { "MTO_Cd": "APMMB", "MTO_Nm": "Mobile, Alabama" }, "responseData": { "ConfirmedAppt": [], "TentativeAppt": [{ "GateApptOutputId": 1, "Status": "Tentative appointment created.", "GateAppt_DtTm": "07/30/2020 - 16:00 - 20:00", "GateAppt_Num": "001648", "Gate_Id": "MOB GATE", "Container_Num": "MSKU7893512", "EquipSize": "20GP86", </pre>			
	<pre> "GateAppt_DtTm": "07/30/2020 - 16:00 - 20:00", "GateAppt_Num": "001648", "Gate_Id": "MOB GATE", "Container_Num": "MSKU7893512", "EquipSize": "20GP86", </pre>			

	<pre> "CargoRef_Num": "967711134", "ErrSeverity_Ind": 2, "GateApptMessages": { "Info": [], "Warning": ["140012 - Driver is not registered with the Trucking Company", "140302 - Container is on Demurrage Hold. If Demurrage is not paid within Terminal deadline this appointment will be cancelled."], "Error": [] } }, { "GateApptOutputId": 2, "Status": "Tentative appointment created.", "GateAppt_DtTm": "07/30/2020 - 16:00 - 20:00", "GateAppt_Num": "001649", "Gate_Id": "MOB GATE", "Container_Num": "WFHU1146576", "EquipSize": "20GP86", "CargoRef_Num": "NAM3645690", "ErrSeverity_Ind": 2, "GateApptMessages": { "Info": [], "Warning": ["140012 - Driver is not registered with the Trucking Company", "140050 - Container mismatch Export requirements"], "Error": [] } }], "DeclinedAppt": [] }, "UserMessages": [] } } </pre>
Technical Approach	Response will have 3 properties i.e. ConfirmedAppt, TentativeAppt, DeclinedAppt and each property can have 3 nested properties i.e. Info, Warning, Error. For ex, All Confirmed appointments created will be in ConfirmedAppt, all tentative appointments created will be in TentativeAppt, and all declined appointments will be in DeclinedAppt properties. Each type of appointment can have appointment messages or business rule validation messages in the nested Info, Warning or Error properties accordingly.