



TM Forum Specification

Recommendation API Conformance Profile

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Direct inquiries to the TM Forum office:

4 Century Drive, Suite 100

Parsippany, NJ 07054, USA

Tel No. +1 973 944 5100

Fax No. +1 973 944 5110

TM Forum Web Page: www.tmforum.org



TABLE OF CONTENTS

NOTICE	2
Table of Contents	3
List of Tables	4
Introduction	5
API Description	6
RESOURCE MODEL CONFORMANCE	7
Recommendation API MANDATORY AND OPTIONAL RESOURCES	7
Recommendation Resource MANDATORY AND OPTIONAL ATTRIBUTES	7
API OPERATIONS CONFORMANCE	10
Recommendation MANDATORY AND OPTIONAL OPERATIONS	10
API GET OPERATION CONFORMANCE	11
GET /recommendation?fields=&{filtering}	11
Administrative Appendix	13
Version History	13
Release History	13
Acknowledgments	13
Contributors to Document	14



LIST OF TABLES

N/A



INTRODUCTION

This document describes the REST API Conformance for the Recommendation API (TMF***).



API DESCRIPTION

- The Recommendation API provides the standardized client interface to get the recommendation based on the related information.

The operations that can be exercised over a recommendation resource using the API and covered in this document are those identified as mandatory to be supported such as

Get recommendation

This document identifies the parameters that must be included in a request related to the operations above as well as the parameters expected in the response.



RESOURCE MODEL CONFORMANCE

Recommendation API MANDATORY AND OPTIONAL RESOURCES

For the Resources defined by the API, here the following table indicates which are mandatory and which ones are optional.

Resource Name	Mandatory / Optional	Comments
Recommendation	М	

Recommendation Resource MANDATORY AND OPTIONAL ATTRIBUTES

For every single resource managed by the API, please refer to the following table indicating which attributes are mandatory and which ones are optional.

Parameter	Mandatory /	Comments
	Optional	Comments
@type	0	
@schemaLocation	0	
@baseType	0	
description	0	
id	M (in response messages)	Generated by the server and provided in the response upon resource creation.
href	M (in response messages)	Value in response must be the same as the one set in Location header provided upon entity creation
name	М	
validFor	0	
type	0	
recommendationItem	0	A list of recommendation items. (Item[*])
priority	М	



	Parameter	Mandatory / Optional	Comments
	productOffering	М	Confinents
	id	M	
	href		
		M	
	name	M	
cat	tegory	0	
id		М	
hre	ef	М	
na	me	М	
Ch	annel	0	
ld		М	
hre	ef	М	
na	me	М	
Sh	oppingCart	0	
ld		М	
hre	ef	М	
Pro	oductOrder	0	
ld		М	
hre	ef	М	
Ge	ographicLocation	0	
ld		М	
		<u> </u>	



Parameter	Mandatory /	
raidiffoloi	Optional	Comments
		Continuents
href	M	
name	M	
type	0	
relatedParty	0	
Id	М	
href	М	
name	М	
role	0	



API OPERATIONS CONFORMANCE

For every single resource, here use the following templates to define what operations are optional and what operations are mandatory.

Recommendation MANDATORY AND OPTIONAL OPERATIONS

Fill the following table and indicate which ones are mandatory and which ones are optional.

Uniform API Operation	Mandatory/Optional	Comments
GET	0	GET must be used to retrieve the representation of a set of resource



API GET OPERATION CONFORMANCE

For every single resource, use the following template to specify the mandatory and optional features supported by the GET operation.

GET	0	THIS PATCH OPERATION
Status Code 200	М	
Other Status Codes	NA	

GET /recommendation?fields=...&{filtering}

Definitions

Filtered Search:

A filtered search can be applied using query parameters in order to obtain only the resource entities that meet the criteria defined by the filtering parameters included in the query request. Several elements can be applied to the filtered search. In that case logic, a logical AND is applied to combine the criteria

Filtered Data (Attribute selection):

In order to apply a filter and limit the number of attributes included in the response, the GET request can include the "?fields=" query parameter. Several elements can be applied to the filter. In that case, a logical AND is applied to combine the values will provide in the response only the values assigned to attributes category and channel. Attribute selection capabilities are the same for collections retrieval and individual resource queries

Attribute name	Filtered search First Level	Attribute Selection First Level
id	М	М
href	NA	М
description	0	0
name	М	0
type	0	0



Attribute name	Filtered search First Level	Attribute Selection First Level
validFor	0	О
recommendationItem	0	0
relatedParty	0	О
channel	0	О
category	0	О
geographicLocation	0	О
shoppingCart	0	0
productOrder	0	0



ADMINISTRATIVE APPENDIX

VERSION HISTORY

Version Number	Date	Modified by	Description
Version 1.0.0	8/05/2017	Ma Xu Maxu@huawei.com Hongxia Hao haohongxia@huawei.com	initial version
Version 1.0.1	7/12/2017		Updated version
Version 1.0.2	23-Jan-2018	Adrienne Walcott	Formatting/style edits prior to publishing

RELEASE HISTORY

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This document was reviewed by members of the TM Forum API Program team.



CONTRIBUTORS TO DOCUMENT

 MaXu, Huawei maxu@huawei.com Hongxia Hao, Huawei haohongxia@huawei.com 	Initial version
 MaXu, Huawei maxu@huawei.com Hongxia Hao, Huawei haohongxia@huawei.com Ludovic Robert ludovic.robert@orange.com Serafettin ACIR serafettin.acir@etiya.com 	Add some related information