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**MINISTERO  
DEL TURISMO**  
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# TDH – Expressions of Public Interest (Contents) – Architecture

CONTRATTO ESECUTIVO PER L'AFFIDAMENTO DI "TOURISM DIGITAL HUB - TDH" MEDIANTE ORDINATIVO DI FORNITURA NELL'AMBITO DELL'ACCORDO QUADRO PER I SERVIZI APPLICATIVI PER LE PUBBLICHE AMMINISTRAZIONI STIPULATO DA CONSIP - ID 2212 – LOTTO 1

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## 1 Purpose of the document

The purpose of the document is sharing architectural information regarding the implementation of the Interconnection APIs between TDH and Partners who want to enroll on it. In this regard, the following interconnection APIs should be considered:

- *Put Destination*
- *Delete Destination*
- *Put ContentofInterest*
- *Delete ContentofInterest*
- *Put Itinerary*
- *Delete Itinerary*
- *Put Event*
- *Delete Event*

Through APIs just mentioned, therefore, the Partner enrolled on Tourism Digital Hub (TDH) will be able to manage the transmission of Content of Interest to the TDH.

## 2 Acronyms and definitions

Acronym	Description
AEM	Adobe Experience Manager
API	Application Program Interface
REST	REpresentational State Transfer
SOAP	Simple Object Access Protocol
TDH	Tourism Digital Hub

*Table 1 – Acronyms and definitions*

## 3 Put Destination Interface

This web API will allow Users to interface with TDH022, by communicating information about Destinations of interest.

The specifications of this API are given:

- *Source:* Third Parties (Third Parties displaying content on the TDH)
- *Target:* AEM
- *Update type:* Synchronous (real-time content update)
- *Trigger:* On call
- *Typology:* Create (new data stream creation) and Update (existing flow editing)
- *Integration mode:* REST and SOAP
- *Methodology:* Put

### 3.1 Put Destination – Swagger

The swagger and its fields (with description) are given below in order to connect via API.

### 3.1.1 Request

Name	Type	Description
<b>reqTimestamp</b> (header)	string	Timing at which the call was made, e.g. "1640019167"
<b>source</b> (header)	string	Source system. This field is unique and should be agreed with the TDH022, e.g. "RegionePuglia". The length of the string is 50.
<b>e2eKey</b> (header)	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"

Table 2 - Request Put Destination Structure

### putDestinationRequest (body)

Name	Type	Description
<b>identifier*</b>	string	internal unique key. convention established by TDH
<b>destinationName*</b>	string	string of size 200. Indicates the name of the destination
<b>description*</b>	string	Description of the point of interest
<b>shortDescription</b>	string	string of size 200. Short description of the point of interest
<b>longDescription</b>	string	string size 5000. Extended description of the point of interest
<b>owner</b>	string	the owner of the business or place
<b>language*</b>	string <i>maxLength: 2</i>	String of size 2. Represents the code of the language in which the record is written according to ISO639-1
<b>address</b>		Structure containing address information
	<b>zipCode</b>	string String size 50.
	<b>country</b>	string String of size 50. This is the state in which the destination is located

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	<b>streetName</b>	<b>string</b>	String of size 50. Indicates the street name of where the destination is located
	<b>streetToponym</b>	<b>string</b>	String of size 50. Refer to the list of inail toponyms at the following link <a href="https://www.inail.it/cs/internet/docs/ucm_085810.pdf?section=attivit">https://www.inail.it/cs/internet/docs/ucm_085810.pdf?section=attivit</a>
	<b>province</b>	<b>string</b>	String of dimension 50. This is the province in which the destination is located
	<b>city</b>	<b>string</b>	String of size 50. This is the city in which the destination is located
	<b>streetNumber</b>	<b>string</b>	String of size 50. House number identifying the external access, i.e. that which leads from the circulation area to the simple geographical units (homes, offices etc.)
	<b>district</b>	<b>string</b>	String of size 50. Indicates the neighbourhood where the destination is located
	<b>fullAddress</b>	<b>string</b>	String of size 255. This is the full address at which the destination is normalised by google.
	<b>region</b>	<b>string</b>	String of size 50. This is the region in which the destination is located
<b>addressArea</b>		<b>string</b>	geographical designation Enum: [ APAC, LATAM, EMEA, SEMEA, MEMEA, IMEA ]
<b>geoDistribution</b>		<b>string</b>	Represents the geographical area within the country where the destination is locatedEnum:

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		[ northeast, islands, south, northwest, centre, north ]
longitude*	string	Longitude of destination preferably expressed in the WGS84 coordinate system
latitude*	string	Latitude of destination preferably expressed in the WGS84 coordinate system
altitude	string	Altitude of destination preferably expressed in the WGS84 coordinate system
geometryType	string	Enum: [ POLYGON, POINT, LINE, BOX ] .
coordinateSystemRef	string	Represents the reference system for the representation of coordinates
email	string	Destination e-mail address
phoneNumber	string	Destination phone number
website	string	Destination website
openingHours	string	openingHours
destinationStatus	string	Closed/Open
destinationCategory	string	Category
services	otherServices	string free text for any other services
	listOfServices	string list of services available according to a predefined list (e.g. toilets, audioguide). Enum: [ disability-physical, lift, audio-guides, baby-area, bus, luggage-storage, disability-cognitive, disability-hearing, disability-visual, cloakroom, info, bike-rental, parking, pet, refreshment, services-higiene,

			shop, guided-visits, wi-fi, non-smoking rooms, family-room-availability, reception-24-hours-on-24, pets-allowed, gym, airport shuttle, room service, rooms-facilities-for-disabled-guests, restaurant, spa, swimming pool, electric-vehicle-charging station, children's menus, German-speaking languages, French-speaking languages, Spanish-speaking languages, English-speaking languages, Russian-speaking languages, Italian-speaking languages, Chinese-speaking languages, disabled bathroom, smoking area ]	
linkedDestination		string	destinations linked to the individual destination	
sponsor			Indicates Official Sponsor	
	identifier*	string	sponsor identification	
	name*	string	sponsor name	
	icon	string	sponsor URL	
paragraph	identifier	string		
	paragraphText	string		
	paragraphTitle	string		
	media	mediaURL	string	indicates the url of the audio/video
		isExternal	boolean	indicates whether it is an audio/video from an external source. Example YouTube
		mediaLicenseURL	string	audio/video licence url
mediaDescription		string	indicates the description of the audio/video	



		mediaType	string	indicates whether it is an Audio or Video	
		mediaLicense	string	Licence code for audio/video use	
		mediaCredit	string	indicates the Credits of the audio/video	
		mediaEndDate	string(\$date)	Validity date of the Media	
		mediaTitle	string	Title of the Media	
	paragraphOrder		number(\$double)		
	author	authorName	string	String of length 50. Represents the Author of the article	
		authorIdentifier	String	String of length 50. Author ID	
		authorDescription	string	String of length 1000. Is the description of the author	
		authorImage	imageURL	string	indicates the image url
			imageDescription	string	indicates the description of the image
			imageCredit	string	indicates the Credits of the image
			imageLicense	string	Licence code for use of the image
			imageLicenseURL	string	Image licence URL
			imageWidth	number(\$double)	Image width
	imageHeight		number(\$double)	Image height	
	imageEndDate		string(\$date)	Indicates the validity date of the Image	
	imageTitle	string	Indicates the Title of the Image		
	destinationID		string	Linked destinations	
	image	imageURL	string	Indicates the URL of the Image	
		imageDescription	string	Indicates the description of the Image	
		imageCredit	string	Indicates the credits of the Image	
		imageLicense	string	Licence code for image use	
		imageLicenseURL	string	Licence URL for image use	
		imageWidth	number(\$double)	Image width	
		imageHeight	number(\$double)	Image height	

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	imageEndDate	string(\$date)	Indicates the validity date of the Image
	imageTitle	string	Indicates the Title of the Image
hyperLink	identifier*	string	Hyperlink identifier
	name*	string	Hyperlink name
	description	string	Hyperlink description
	externalUrl*	string	Hyperlink URL
	paragraphSubtitle	string	
image*	imageLicense	string	Licence code for image use
	imageLicenseURL	string	Licence URL for image use
	imageHeight	number(\$double)	Image width
	imageWidth	number(\$double)	Image height
	imageCredit	string	Indicates the credits of the Image
	imageURL	string	Indicates the URL of the Image
	imageDescription	string	Indicates the description of the Image
	imageEndDate	string(\$date)	Indicates the expiration date of the Image
	imageTitle	string	Indicates the title of the Image
media	mediaURL	string	indicates the url of the audio/video
	isExternal	boolean	indicates whether it is an audio/video from external sources. Example YouTube
	mediaLicenseURL	string	URL of the audio/video licence
	mediaDescription	string	indicates the description of the audio/video
	mediaType	string	indicates whether it is an Audio or Video
	mediaLicense	string	Licence code for audio/video use
	mediaCredit	string	indicates Audio/Video Credits
	mediaEndDate	string(\$date)	Date of validity of the Media
	mediaTitle	string	Title of the Media

<code>template*</code>	<code>string</code>	Template to be filled in for the call type Enum: [ POI, Destination, City, Region ]
<code>additionalTags</code>	<code>string</code>	Added manual tags
<code>feature</code>		additional field to manage future developments
	<code>id</code>	<code>string</code>
	<code>value</code>	<code>string</code>

Table 3 - Body putDestination (001)

### 3.1.2 Response

Code	Description	Example
200	Sample Description	<pre>{   "codiceEsito": 0,   "id": "string",   "message": "string" }</pre>
400	bad Request	<pre>{   "codiceEsito": "string" }</pre>
500	internal Server Error	<pre>{   "codiceEsito": "string" }</pre>

Table 4 - Response putDestination (001)

## 4 Delete Destination Interface

This web API will allow user to interface with TDH022 by deleting a previously selected destination. The specifications of this API are given:

- *Source*: Third Parties (Third Parties displaying content on the TDH)
- *Target*: AEM
- *Update type*: Synchronous (real-time content update)
- *Trigger*: On call
- *Typology*: Create (new data stream creation)
- *Integration mode*: REST and SOAP
- *Methodology*: Delete

### 4.1 Delete Destination – Swagger

The swagger and its fields (with description) are given below in order to connect via API.

#### 4.1.1 Delete Destination – Request

Parameters:

Name	Type	Description
<code>reqTimestamp(header)</code>	string	Timing at which the call was made, e.g. "1640019167"

<b>source (header)</b>	string	Source system. This field is unique and should be agreed with the TDH022, e.g."RegionePuglia". The length of the string is 50.
<b>e2eKey (header)</b>	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"
<b>identifier(*)<sup>1</sup> (path)</b>	string	Unique key

Table 3 - Request Delete Destination

#### 4.1.2 Delete Destination – Response

Code	Field	Type	Description
<b>200</b>	codiceEsito	integer	Outcome of request processing. 1=> OK , 0 => KO . E.g. "1"
	id	string	String of size 50. It indicates the unique key of TDH022 system that identifies the resource. E.g. "21396293821"
	message	string	String of size 50. IT represents the outcome of request processing. E.g. "Bad Request"
<b>400</b>	codiceEsito	string	Outcome code
<b>500</b>	codiceEsito	string	Outcome code

Table 4 - Response Delete Destination

## 5 Put ContentOfInterest Interface

This web API will allow Partners to interface with the TDH022, transmitting a Content of Interest. The specifications of this API are given:

- *Source*: Third Parties (Third Parties displaying content on the TDH)
- *Target*: AEM
- *Update type*: Synchronous (real-time content update)
- *Trigger*: On call
- *Typology*: Create (new data stream creation) and Update (existing flow editing)
- Integration mode: REST and SOAP
- *Methodology*: Put

### 5.1 Put ContentOfInterest – Swagger

The swagger and its fields (with description) are given below in order to connect via API.

<sup>1</sup> Mandatory field

### 5.1.1 Put ContentOfInterest – Request

Name	Type	Description
<b>reqTimestamp</b> ( <i>header</i> )	<b>string</b>	Timing at which the call was made, e.g. "1640019167"
<b>source</b> ( <i>header</i> )	<b>string</b>	Source system. This field is unique and should be agreed with the TDH022, e.g."RegionePuglia". The length of the string is 50.
<b>e2eKey</b> ( <i>header</i> )	<b>string</b>	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"
<b>putDestinationRequest</b> (*) <sup>2</sup> ( <i>body</i> )	<b>object</b>	Unique key

Table 5 - Request Put ContentOfInterest structure

*putContentOfInterestRequest* (\*) (*body*) object:

Name	Type	Description
<b>Interest</b>	<b>object</b>	root of the putContentfInterest service
<b>Interest.identifier</b>	<b>string</b>	String of length 50. Indicates the sender's unique key for identifying the content of interest
<b>Interest.title</b>	<b>string</b>	String of length 200. Indicates the Title of the article
<b>Interest.subtitle</b>	<b>string</b>	String of length 200. Indicates the sub title of the article
<b>Interest.overtitle</b>	<b>string</b>	String of length 200. Indicates the over title of the article
<b>Interest.endDate</b>	<b>date</b>	Expiration date of the article
<b>Interest.startDate</b>	<b>date</b>	Starting date of the article
<b>Interest.description</b>	<b>string</b>	String length 1000. Short article description
<b>Interest.language</b>	<b>string[]</b>	String of length 2. Indicates the language in which the data is written format ISO639-1
<b>Interest.Article</b>	<b>object[]</b>	Structure containing information on the article
<b>Interest.Article.destinationID</b>	<b>string[]</b>	Unique key of the sent destination
<b>Interest.Article.articleText</b>	<b>string</b>	Article text in UTF-8
<b>Interest.Article.HyperLink</b>	<b>object[]</b>	Structure containing information Hyperlink
<b>Interest.Article.HyperLink.identifier</b>	<b>string</b>	String of length 50. Hyperlink identifier
<b>Interest.Article.HyperLink.name</b>	<b>string</b>	String of length 50. Hyperlink name
<b>Interest.Article.HyperLink.description</b>	<b>string</b>	String of length 1000. Hyperlink description
<b>Interest.Article.HyperLink.externalUrl</b>	<b>string</b>	Hyperlink URL
<b>Interest.Article.Author</b>	<b>object[]</b>	Structure containing the information of the author who wrote the paragraph

<sup>2</sup> Mandatory field

<b>Interest.Article.Author.authorIdentifier</b>	<b>string</b>	String of length 50. Author identifier
<b>Interest.Article.Author.authorName</b>	<b>string</b>	String of length 50. Represents the author of the article
<b>Interest.Article.Author.authorDescription</b>	<b>string</b>	String of length 1000. Represents the description of the article
<b>Interest.Article.Author.Image</b>	<b>object</b>	Structure containing author-related images
<b>Interest.Article.Author.Image.ImageURL</b>	<b>string</b>	Indicates the url of the image
<b>Interest.Article.Author.Image.ImageDescription</b>	<b>string</b>	Indicates the description of the image
<b>Interest.Article.Author.Image.ImageCredit</b>	<b>string</b>	Indicates the author who owns the image
<b>Interest.Article.Author.Image.ImageLicense</b>	<b>string</b>	Licence code for image use
<b>Interest.Article.Author.Image.ImageLicenseURL</b>	<b>string</b>	Image licence URL
<b>Interest.Article.Author.Image.ImageWidth</b>	<b>number</b>	Image width
<b>Interest.Article.Author.Image.ImageHeight</b>	<b>number</b>	Image height
<b>Interest.Article.Author.Image.ImageEndDate</b>	<b>date</b>	Indicates the validity date of the Image
<b>Interest.Article.Author.Image.ImageTitle</b>	<b>string</b>	Indicates the Title of the Image
<b>Interest.Article.sponsor</b>	<b>object</b>	Structure containing sponsor information
<b>Interest.Article.sponsor.identifier</b>	<b>string</b>	Sponsor identifier
<b>Interest.Article.sponsor.name</b>	<b>string</b>	Sponsor name
<b>Interest.Article.sponsor.icon</b>	<b>string</b>	Sponsor URL
<b>Interest.Article.tags</b>	<b>string[]</b>	String of length 200. TAGs to be associated with the article to facilitate searching
<b>Interest.Article.thematicArticleEvents</b>	<b>boolean</b>	The article contains events
<b>Interest.Article.source</b>	<b>object</b>	Source Information Structure
<b>Interest.Article.source.identifier</b>	<b>string</b>	Source Identifier
<b>Interest.Article.source.name</b>	<b>string</b>	String of length 50. Represents the HTML Page title
<b>Interest.Article.source.description</b>	<b>string</b>	String of length 1000. Indicates the Description of the resource
<b>Interest.Article.source.url</b>	<b>string</b>	String of length 200. Indicates the URL of the source page
<b>Interest.Paragraph</b>	<b>object</b>	Structure containing paragraph information
<b>Interest.Paragraph.identifier</b>	<b>string</b>	Unique key of size 50 identifying the paragraph
<b>Interest.Paragraph.paragraphText</b>	<b>string</b>	Article text in UTF-8
<b>Interest.Paragraph.paragraphTitle</b>	<b>string[]</b>	String of length 200. It is the paragraph title of the article
<b>Interest.Paragraph.Media</b>	<b>object[]</b>	Structure containing the media in the paragraph
<b>Interest.Paragraph.Media.MediaURL</b>	<b>string</b>	Audio/video URL
<b>Interest.Paragraph.Media.isExternal</b>	<b>string</b>	Indicates whether it is an audio/video from external sources. Example YouTube
<b>Interest.Paragraph.Media.MediaDescription</b>	<b>string</b>	Audio/video description
<b>Interest.Paragraph.Media.MediaCredit</b>	<b>string</b>	Audio/video credits

<b>Interest.Paragraph.Media.MediaLicense</b>	<b>string</b>	License code for audio/video use
<b>Interest.Paragraph.Media.MediaLicenseURL</b>	<b>string</b>	Audio/video license URL
<b>Interest.Paragraph.Media.MediaType</b>	<b>string</b>	Indicates if it is an Audio or Video
<b>Interest.Paragraph.Media.MediaEndDate</b>	<b>date</b>	Media expiration date
<b>Interest.Paragraph.Media.MediaTitle</b>	<b>string</b>	Media Title
<b>Interest.Paragraph.paragraphOrder</b>	<b>number</b>	Position of the paragraph within the Article
<b>Interest.Paragraph.Author</b>	<b>object[]</b>	Structure containing the information of the author who wrote the paragraph
<b>Interest.Paragraph.Author.authorIdentifier</b>	<b>String</b>	String of length 50. Author ID
<b>Interest.Paragraph.Author.authorName</b>	<b>string</b>	String of length 50. Represents the author of the paragraph
<b>Interest.Paragraph.Author.authorDescription</b>	<b>string</b>	String of length 1000. Author's description
<b>Interest.Paragraph.Author.Image</b>	<b>object</b>	Structure containing author-related images
<b>Interest.Paragraph.Author.Image.ImageURL</b>	<b>string</b>	Image URL
<b>Interest.Paragraph.Author.Image.ImageDescription</b>	<b>string</b>	Image Description
<b>Interest.Paragraph.Author.Image.ImageCredit</b>	<b>string</b>	Indicates the author who owns the image
<b>Interest.Paragraph.Author.Image.ImageLicense</b>	<b>string</b>	License code for image use
<b>Interest.Paragraph.Author.Image.ImageLicenseURL</b>	<b>string</b>	Image license URL
<b>Interest.Paragraph.Author.Image.ImageWidth</b>	<b>number</b>	Image width
<b>Interest.Paragraph.Author.Image.ImageHeight</b>	<b>number</b>	Image height
<b>Interest.Paragraph.Author.Image.ImageEndDate</b>	<b>date</b>	Image expiration date
<b>Interest.Paragraph.Author.Image.ImageTitle</b>	<b>string</b>	Image Title
<b>Interest.Paragraph.DestinationID</b>	<b>string[]</b>	Destination Reference
<b>Interest.Paragraph.Image</b>	<b>object</b>	Structure containing article-related images
<b>Interest.Paragraph.Image.ImageURL</b>	<b>string</b>	Image URL
<b>Interest.Paragraph.Image.ImageDescription</b>	<b>string</b>	Image Description
<b>Interest.Paragraph.Image.ImageCredit</b>	<b>string</b>	Indicates the author who owns the image
<b>Interest.Paragraph.Image.ImageLicense</b>	<b>string</b>	Image license code
<b>Interest.Paragraph.Image.ImageLicenseURL</b>	<b>string</b>	Image license URL
<b>Interest.Paragraph.Image.ImageWidth</b>	<b>number</b>	Image width
<b>Interest.Paragraph.Image.ImageHeight</b>	<b>number</b>	Image height
<b>Interest.Paragraph.Image.ImageEndDate</b>	<b>date</b>	Image expiration date
<b>Interest.Paragraph.Image.ImageTitle</b>	<b>string</b>	Image Title
<b>Interest.Paragraph.HyperLink</b>	<b>object[]</b>	Paragraph hyperlink structure
<b>Interest.Paragraph.HyperLink.identifier</b>	<b>string</b>	Hyperlink identifier
<b>Interest.Paragraph.HyperLink.name</b>	<b>string</b>	Hyperlink name
<b>Interest.Paragraph.HyperLink.description</b>	<b>string</b>	Hyperlink Description
<b>Interest.Paragraph.HyperLink.externalUrl</b>	<b>string</b>	HyperLink URL
<b>Interest.Paragraph.paragraphSubtitle</b>	<b>string[]</b>	Paragraph subtitles
<b>Interest.template</b>	<b>string</b>	Template to be filled in for the Enum call type:[ Article ].

<b>Interest.destinationID</b>	<b>string[]</b>	String of length 50. List of IDs communicated to the TDH on the API "Communicate Destination" related to article destinations
<b>Interest.feature</b>	<b>object[]</b>	Structure to handle future developments
<b>Interest.feature.id</b>	<b>string</b>	Subject key
<b>Interest.feature.value</b>	<b>string</b>	Object value

Table 6 – Put ContentofInterest Body structure

### 5.1.2 Put ContentOfInterest – Response

Code	Field	Type	Description
<b>200</b>	<b>codiceEsito</b>	<b>integer</b>	Outcome of request processing. 1=> OK , 0 => KO . E.g. "1"
	<b>id</b>	<b>string</b>	String of size 50. It indicates the unique key of TDH022 system that identifies the resource. E.g. "21396293821"
	<b>message</b>	<b>string</b>	String of size 50. IT represents the outcome of request processing. E.g. "Bad Request"
<b>400</b>	<b>codiceEsito</b>	<b>string</b>	Outcome code
<b>500</b>	<b>codiceEsito</b>	<b>string</b>	Outcome code

Table 7 – Put ContentofInterest Response structure

## 6 Delete ContentOfInterest Interface

This web API will allow the Partner to interface with TDH022 by deleting a previously selected/transmitted content of interest.

The specifications of this API are given:

- *Source*: Third Parties (Third Parties displaying content on the TDH)
- *Target*: AEM
- *Update type*: Synchronous (real-time updating of content)
- *Trigger*: On call
- *Typology*: Create (creation of new data stream)
- Integration mode: REST and SOAP
- *Methodology*: Delete

### 6.1 Delete ContentOfInterest – Swagger

The swagger and its fields (with description) are given below in order to connect via API.



### 6.1.1 Delete ContentOfInterest – Request

Parameters:

Name	Type	Description
<b>reqTimestamp(header)</b>	string	Timing at which the call was made. e.g."1640019167"
<b>source(header)</b>	string	Source system. This field is unique and should be agreed with the TDH022, e.g. "RegionePuglia". The length of the string is 50
<b>e2eKey(header)</b>	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"
<b>identifier(*)<sup>3</sup>(path)</b>	string	Sample Description

Table 8 – Delete ContentOfInterest Request structure

### 6.1.2 Delete ContentOfInterest – Response

Code	Field	Type	Description
<b>200</b>	codiceEsito	integer	Outcome of request processing. 1=> OK , 0 => KO . E.g. "1"
	id	string	String of size 50. It indicates the unique key of TDH022 system that identifies the resource. E.g. "21396293821"
	message	string	String of size 50. IT represents the outcome of request processing. E.g. "Bad Request"
<b>400</b>	codiceEsito	string	Outcome code
<b>500</b>	codiceEsito	string	Outcome code

Table 9 – Delete ContentOfInterest Response structure

## 7 Put Event Interface

This web API will allow the Partner to interface with TDH022, transferring data and content related to an event.

The specifications of this API are given:

- *Source*: Third Parties (Third Parties displaying content on the TDH)
- *Target*: AEM
- *Update type*: Synchronous (real-time content update)
- *Trigger*: On call
- *Typology*: Create (new data stream creation) and Update (existing flow editing)
- *Integration mode*: REST and SOAP
- *Methodology*: Put
- *Tipologia*: Create (creazione nuovo flusso di dati) e Update (modifica flusso esistente)

<sup>3</sup> Mandatory field

- Modalità di integrazione: REST e SOAP
- *Metodologia*: Put

## 7.1 Put Event – Swagger

The swagger and its fields (with description) are given below in order to connect via API.

### 7.1.1 Put Event – Request

Name	Type	Description
<b>reqTimestamp (header)</b>	string	Timing at which the call was made, e.g. "1640019167"
<b>Source (header)</b>	string	Source system. This field is unique and should be agreed with the TDH022, e.g. "RegionePuglia". The length of the string is 50.
<b>e2eKey (header)</b>	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"

Table 12: Request Put Event (Int\_072)

Name	Type	Description	
template	string	Template to be filled in for the call typeEnum: Array [ 1 ]	
identifier*	string	String of length 50. Indicates the sender's unique key for identifying the event	
linkedDestination	string	String of length 50. List of IDs communicated to the TDH on the API "Communicate Destination" related to article destinations	
sponsor	identifier*	string	sponsor ID
	name*	string	sponsor name
	icon	string	sponsor URL
agent	string	Organiser of the event	
endDate*	string (\$date)	End date of event	
media	mediaURL	string	indicates the url of the audio/video
	isExternal	boolean	indicates whether it is an audio/video from external sources. Example YouTube

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	<b>mediaDescription</b>		<b>string</b>	indicates the description of the audio/video
	<b>mediaCredit</b>		<b>string</b>	indicates Audio/Video Credits
	<b>mediaLicense</b>		<b>string</b>	Licence code for audio/video use
	<b>mediaLicenseURL</b>		<b>string</b>	URL of the audio/video licence
	<b>mediaType</b>		<b>string</b>	indicates whether it is an Audio or Video
	<b>mediaEndDate</b>		<b>string(\$date)</b>	Expiration date of the Media
	<b>mediaTitle</b>		<b>string</b>	Media title
<b>description*</b>			<b>string</b>	String of length 1000. Short description of the event
<b>language*</b>			<b>string</b>	String of size 2. Represents the code of the language in which the record is written according to ISO639-1
<b>services</b>	Structure containing the services offered by the destination	<b>otherServices</b>	<b>string</b>	Free text for any other services
		<b>listOfServices</b>		list of services available according to a predefined list (e.g. toilets, audioguide).  stringEnum:  [ disability-physical, lift, audio-guides, baby-area, bus, luggage-storage, disability-cognitive, disability-hearing, disability-visual, cloakroom, info, bike-rental,

				parking, pet, refreshment, services-hygiene, shop, guided-visits, wi-fi, non-smoking rooms, family-room-availability, reception-24-hours-on-24, pets-allowed, gym, airport-shuttle, room-service, rooms-facilities-for-disabled-guests, restaurant, spa, swimming-pool, electric-vehicle-charging-station, children's menus, German-speaking languages, French-speaking languages, Spanish-speaking languages, English-speaking languages, Russian-speaking languages, Italian-speaking languages, Chinese-speaking languages, disabled-bathroom, smoking area ]]
<b>title*</b>			<b>string</b>	String of length 200. Indicates the Title of the event
<b>type</b>			<b>string</b>	Event type
<b>image</b>	<b>imageURL</b>		<b>string</b>	indicates the URL of the image

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	imageDescription	string	indicates the description of the image	
	imageCredit	string	indicates image Credits	
	imageLicense	string	Licence code for image use	
	imageLicenseURL	string	URL of the image licence	
	imageWidth	number(\$double)	Image width	
	imageHeight	number(\$double)	Image height	
	imageEndDate	string(\$date)	Image expiration date	
	imageTitle	string	Image Title	
url		string	Event url	
paragraph	identifier	string	Unique key of size 50 identifying the paragraph	
	linkedDestination	string	Reference to linked destinations	
	paragraphText	string	Article text in UTF-8	
	paragraphTitle	string	String of length 200. It is the paragraph title of the event	
	media	mediaURL	string	indicates the url of the audio/video
		isExternal	string	indicates whether it is an audio/video from external sources. Example YouTube
		mediaDescription	string	indicates the description of the audio/video
		mediaCredit	string	indicates Audio/Video Credits
		mediaLicense	string	Licence code for audio/video use
		mediaLicenseURL	string	URL of the audio/video licence
mediaType		string	indicates whether it is an Audio or Video	
mediaEndDate		string	Expiration date of the Media	
mediaTitle	string	Media title		

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	paragraphOrder		number (\$double)	Position of the paragraph within the event
author	authorName		string	String of length 50. Represents the author of the article
	authorDescription		string	String of length 1000. Author's description
	authorImage	imageURL	string	indicates the URL of the image
		imageDescription	string	indicates the description of the image
		imageCredit	string	indicates image Credits
		imageLicense	string	Licence code for image use
		imageLicenseURL	string	URL of the image licence
		imageWidth	string	Image width
		imageHeight	string	Image height
		imageEndDate	string	Image expiration date
		imageTitle	string	Image Title
image	imageURL		string	indicates the URL of the image
	imageDescription		string	indicates the description of the image
	imageCredit		string	indicates image Credits
	imageLicense		string	Licence code for image use
	imageLicenseURL		string	URL of the image licence
	imageWidth		string	Image width
	imageHeight		string	Image height
	imageEndDate		string	Image expiration date
	imageTitle		string	Image Title
hyperLink	identifier*		string	Hyperlink ID
	name*		string	Hyperlink name
	description		string	Hyperlink description
	externalUrl*		string	Hyperlink externalURL
	paragraphSubtitle		string	Paragraph subtitles
tags	string			String of length 200. TAGs to be

			associated with the article to facilitate searching
feature	id	string	
	value	string	
price		number (\$double)	Ticket price
subtitle		string	String of length 200. Indicates the subtitle of the event
openingHours		string	Periodic event schedule (e.g. 'every Tuesday at 6 p.m.')
isVirtual*		string	If it is a virtual or on-site event
startDate*		string	Event start date
programEvent	identifier*	string	Unique key
	startingHourPM	string	start time of the event stage in the afternoon
	startingHourAM	string	start time of the event stage in the morning
	programPrice	string	Minimum ticket price

	destinations	string	official name of point of interest
	endingHourPM	string	end time of the event stage in the afternoon
	endingHourAM	string	end time of the event stage in the morning
	description	string	description
	dtStart*	string(\$date)	date from which the event starts
	title*	string	title
	dtEnd	string(\$date)	date on which the event ends

Table 13 - Body Request Put Event (Int\_072)

## 7.1.2 Response

Code	Description	Example
200	Sample Description	<pre>{   "codiceEsito": 0,   "id": "string",   "message": "string" }</pre>
400	Bad Request	<pre>{   "codiceEsito": "string" }</pre>
500	Internal Server Error	<pre>{   "codiceEsito": "string" }</pre>

Table 14- Response Put Event (Int\_072)

## 8 Delete Event Interface

This web API will allow the Partner to interface with TDH022 by deleting a previously selected event. The specifications for this API are given below:

- *Source:* Third Parties (Third Parties displaying content on the TDH)
- *Target:* AEM
- *Update type:* Synchronous (real-time content updating)
- *Trigger:* On call



- *Typology*: Create (new data stream creation)
- Integration mode: REST and SOAP
- *Methodology*: Delete

## 8.1 Delete Event – Swagger

The swagger and its fields (with description) are given below in order to connect via API.

### 8.1.1 Delete Event – Request

Parameters:

Name	Type	Description
<b>reqTimestamp(header)</b>	string	Timing at which the call was made, e.g. "1640019167"
<b>source(header)</b>	string	Source system. This field is unique and should be agreed with the TDH022, e.g. "RegionePuglia". The length of the string is 50.
<b>e2eKey(header)</b>	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"
<b>identifier(*)<sup>4</sup>(path)</b>	string	Unique Key

Table 15 - Request Delete Event Structure

### 8.1.2 Delete Event – Response

Code	Field	Type	Description
<b>200</b>	codiceEsito	integer	Outcome of request processing. 1=> OK , 0 => KO . E.g. "1"
	id	string	String of size 50. It indicates the unique key of TDH022 system that identifies the resource. E.g. "21396293821"
	message	string	String of size 50. IT represents the outcome of request processing. E.g. "Bad Request"
<b>400</b>	codiceEsito	string	Outcome code
<b>500</b>	codiceEsito	string	Outcome code

Table 16 - Response Delete Event Structure

<sup>4</sup> Mandatory field

## 9 Put Itinerary Interface

This web API will allow the Partner to interface with TDH022, transferring data and content related to an itinerary.

The specifications of this API are given:

- *Source*: Third Parties (Third Parties displaying content on the TDH)
- *Target*: AEM
- *Update type*: Synchronous (real-time content update)
- *Trigger*: On call
- *Typology*: Create (new data stream creation) and Update (existing flow editing)
- Integration mode: REST and SOAP
- *Methodology*: Put

### 9.1 Put Itinerary – Swagger

The swagger and its fields (with description) are given below in order to connect via API.

#### 9.1.1 Put Itinerary – Request

Name	Type	Description
<b>reqTimestamp (header)</b>	string	Timing at which the call was made, e.g. "1640019167"
<b>Source (header)</b>	string	Source system. This field is unique and should be agreed with the TDH022, e.g. "RegionePuglia". The length of the string is 50.
<b>e2eKey (header)</b>	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"

Table 17 - Header Request Put Itinerary (Int\_073)

	Name	Type	Description	
hyperlink	identifier	string	Hyperlink ID	
	name	string	Hyperlink name	
	description	string	Hyperlink description	
	externalUrl	string	Hyperlink URL	
author	authorName	string	String of length 50. Represents the author of the itinerary	
	authorIdentifier	String	String of length 50. Author ID	
	authorDescription	string	String of length 1000. Author's description	
	authorImage	imageURL	string	indicates the url of the image
		imageDescription	string	indicates the description of the image
		imageCredit	string	indicates Image Credits
		imageLicense	string	Licence code for image use

		imageLicenseURL	string	Image licence URL
		imageWidth	number(\$double)	Image width
		imageHeight	number(\$double)	Image height
sponsor	identifier		string	sponsor identification
	name		string	name of sponsor
	icon		string	Sponsor URL
stage	identifier		string	Unique key
	image	imageURL	string	indicates the URL of the image
		imageDescription	string	indicates the description of the image
		imageCredit	string	indicates image Credits
		imageLicense	string	Licence code for image use
		imageLicenseURL	string	URL of the image licence
		imageWidth	number(\$double)	Image width
		imageHeight	number(\$double)	Image height
	subTitle		string	subtitle
	Hyperlinks	identifier	string	HyperlinkID
		externalUrl	string	String of length 200. Indicates the URL of the source page
		name	string	String of length 50. Represents the HTML Page title
		description	string	String of length 200. Indicates the URL of the source page
	linkedEvents		string	[list of events linked to the stage]
	text		string	Stage description
	linkedDestination		string	[ destinations linked to the itinerary]
	media	mediaURL	string	indicates the url of the audio/video
		isExternal	boolean	indicates whether it is an audio/video from external sources. Example YouTube
		mediaDescription	string	indicates the description of the audio/video

		<code>mediaCredit</code>	<code>string</code>	indicates Audio/Video Credits
		<code>mediaLicense</code>	<code>string</code>	Licence code for audio/video use
		<code>mediaLicenseURL</code>	<code>string</code>	URL of the audio/video licence
		<code>mediaType</code>	<code>string</code>	indicates whether it is an Audio or Video
		<code>mediaEndDate</code>	<code>string (\$date)</code>	Expiration date of the Media
		<code>mediaTitle</code>	<code>string</code>	Media title
	<code>parTitle</code>		<code>string</code>	Title of the stage
	<code>order</code>		<code>integer (\$int32)</code>	order of stages within the itinerary
<code>offers</code>			<code>string</code>	list of interest-related offers
<code>stages</code>			<code>string</code>	if the itinerary includes stages
<code>identifier*</code>			<code>string</code>	Unique key
<code>title*</code>			<code>string</code>	title
<code>subTitle</code>			<code>string</code>	subtitle
<code>overTitle</code>			<code>string</code>	overTitle
<code>description*</code>			<code>string</code>	description
<code>validfrom*</code>			<code>string (\$date)</code>	date from which the itinerary is valid
<code>validto*</code>			<code>string (\$date)</code>	date to which the itinerary is valid
<code>duration</code>			<code>integer (\$int32)</code>	Duration of the itinerary in hours
<code>url</code>			<code>string</code>	Itinerary url
<code>type</code>			<code>string</code>	Itinerary type
<code>difficulty</code>			<code>string</code>	Itinerary difficulty
<code>bestperiod</code>			<code>string</code>	best time for the itinerary
<code>language*</code>			<code>string</code>	language in which the itinerary is written
<code>media</code>	<code>mediaURL</code>		<code>string</code>	indicates the url of the audio/video
	<code>isExternal</code>		<code>boolean</code>	indicates whether it is an audio/video from external sources. Example YouTube
	<code>mediaDescription</code>		<code>string</code>	indicates the description of the audio/video
	<code>mediaCredit</code>		<code>string</code>	indicates Audio/Video Credits
	<code>mediaLicense</code>		<code>string</code>	Licence code for audio/video use
	<code>mediaLicenseURL</code>		<code>string</code>	URL of the audio/video licence

	mediaType	string	indicates whether it is an Audio or Video
	mediaEndDate	string(\$date)	Expiration date of the Media
	mediaTitle	string	Media title
image	imageURL	string	indicates the URL of the image
	imageDescription	string	indicates the description of the image
	imageCredit	string	indicates image Credits
	imageLicense	string	Licence code for image use
	imageLicenseURL	string	URL of the image licence
	imageWidth	number(\$double)	Image width
	imageHeight	number(\$double)	Image height
	imageEndDate	string(\$date)	Indicates the date of validity of the Image
	imageTitle	string	Indicates the title of the Image
sources		string	Sources list
sponsors		string	Sponsors list
additionalTags		string	tag aggiuntivi manuali

Table 18 - Body Request Put Itinerary (Int\_073)

## 9.1.2 Response

Code	Description	Example
200	Sample Description	<pre>{   "codiceEsito": 0,   "id": "string",   "message": "string" }</pre>
400	Bad Request	<pre>{   "codiceEsito": "string" }</pre>
500	Internal Server Error	<pre>{   "codiceEsito": "string" }</pre>

Table 19 - Response Put Itinerary (Int\_073)

## 10 Delete Itinerary Interface

This web API will allow the Partner to interface with TDH022 by deleting a previously selected itinerary. The specifications for this API are given below:

- *Source*: Third Parties (Third Parties displaying content on the TDH)
- *Target*: AEM
- *Update type*: Synchronous (real-time content updating)
- *Trigger*: On call
- *Typology*: Create (new data stream creation)
- *Integration mode*: REST and SOAP

- *Methodology*: Delete

## 10.1 Delete Itinerary – Swagger

The swagger and its fields (with description) are given below in order to connect via API.

### 10.1.1 Delete Itinerary – Request

Parameters:

Name	Type	Description
<b>reqTimestamp</b> ( <i>header</i> )	string	Timing at which the call was made, e.g. "1640019167"
<b>source</b> ( <i>header</i> )	string	Source system. This field is unique and should be agreed with the TDH022, e.g."RegionePuglia". The length of the string is 50.
<b>e2eKey</b> ( <i>header</i> )	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"
<b>identifier(*)</b> <sup>5</sup> ( <i>path</i> )	string	Unique Key

Table 20 - Request Delete Event Structure

### 10.1.2 Delete Itinerary – Response

Code	Field	Type	Description
<b>200</b>	codiceEsito	integer	Outcome of request processing. 1=> OK , 0 => KO . E.g. "1"
	id	string	String of size 50. It indicates the unique key of TDH022 system that identifies the resource. E.g. "21396293821"
	message	string	String of size 50. IT represents the outcome of request processing. E.g. "Bad Request"
<b>400</b>	codiceEsito	string	Outcome code
<b>500</b>	codiceEsito	string	Outcome code

Table 21 - Response Delete Event Structure

<sup>5</sup> Mandatory field