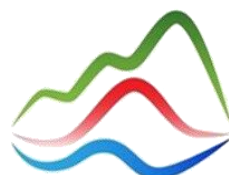




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TDH – Expressions of Public Interest (Contents) – Architecture

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 Accomodation*
- *Delete Accomodation*
- *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 Put Destination – Request

Parameters:

Name	Type	Description
reqTimestamp(<i>header</i>)	string	Timing at which the call was made, e.g. "1640019167"
source (<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.
e2eKey (<i>header</i>)	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"
putDestinationRequest (*) ¹ (<i>body</i>)	object	Unique key

Table 2 - Request Put Destination Structure

Body:

Name	Type	Description
Destination	object	putDestination service root
Destination.identifier	string	Unique key of size 50 of the destination identification sender system
Destination.destinationName	string	String of size 200. Indicates the name of the destination
Destination.shortDescription	string	Short description of size 200
Destination.longDescription	string	Long description of size 5000
Destination.language	string []	String of size 2. Represents the code of the language in which the record is written according to ISO639-1
Destination.owner	string	String of size 200
Destination.address	object	Structure containing address information
Destination.address.zipCode	string	String of size 50. This is the postcode of the destination
Destination.address.country	string	String of size 50. This is the State in which the destination is located
Destination.address.streetName	string	String of size 50. Indicates the street name of where the destination is located
Destination.address.streetToponym	string	String of size 50. Refer to the list of INAIL toponyms at the following link https://www.inail.it/cs/internet/docs/ucm_085810.pdf?section=attivita .
Destination.address.province	string	String of dimension 50. This is the province in which the destination is located
Destination.address.city	string	String of size 50. This is the city in which the destination is located
Destination.address.streetNumber	string	String of size 50. House number identifying the external access, i.e. that which leads from the

¹ Required field

		circulation area to the simple geographical units (dwellings, offices, etc.)
Destination.address.district	string	String of size 50. Indicates the neighbourhood where the destination is located
Destination.address.fullAddress	string	String of size 255. This is the full address at which the destination is normalised by Google.
Destination.address.region	string	String of size 50. This is the region in which the destination is located
Destination.addressArea	string	Enum geographical designation: [APAC, LATAM, EMEA, MEMEA, IMEA].
Destination.geoDistribution	string	Represents the geographical area within the country where the Enum destination is located: [northeast, islands, south, northwest, centre, north].
Destination.longitude	string	Longitude of destination preferably expressed in the WGS84 coordinate system
Destination.latitude	string	Latitude of destination preferably expressed in the WGS84 coordinate system
Destination.altitude	string	Altitude of destination preferably expressed in the WGS84 coordinate system
Destination.geometryType	string	Enum: [POLYGON, POINT, LINE, BOX].
Destination.coordinateSystemref	string	Represents the reference system for the representation of coordinates
Destination.email	string	Destination e-mail address
Destination.phoneNumber	string	Destination telephone number
Destination.website	string	Destination website
Destination.openingHours	string []	Opening Hourse
Destination.destinationStatus	string	Open or Closed
Destination.destinationCategory	string	Category
Destination.theme	string	Architectural, Health...
Destination.services	object	Structure containing services offered by the destination
Destination.services.otherServices	string	Free text for any other services
Destination.services.listOfServices	string []	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, refreshments, services-hygiene, shop, guided-visits, wi-fi, non-smoking rooms, family-room-availability, reception-24-hours-a-day, 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, bathroom-for-disabled-guests, smoking area]]
Destination.linkedDestination	string []	Destinations linked to the individual destination

Destination.Paragraph	object	Structure containing paragraph information
Destination.Paragraph.identifier	string	Unique key of size 50 identifying the paragraph
Destination.Paragraph.paragraphText	string	Article text in UTF-8
Destination.Paragraph.paragraphTitle	string []	String of length 200. It is the paragraph title of the article
Destination.Paragraph.Media	object []	Structure containing the media in the paragraph
Destination.Paragraph.Media.MediaURL	string	Audio/Video Url
Destination.Paragraph.Media.isExternal	string	Indicates whether it is an audio/video from external sources. Example YouTube
Destination.Paragraph.Media.MediaDescription	string	Audio/Video Description
Destination.Paragraph.Media.MediaCredit	string	Audio/Video Credits
Destination.Paragraph.Media.MediaLicense	string	License code for audio/video use
Destination.Paragraph.Media.MediaLicenseURL	string	Audio/Video License Code URL
Destination.Paragraph.Media.MediaType	string	Indicates if it is an Audio or Video
Destination.Paragraph.Media.MediaEndDate	date	Media expiry date
Destination.Paragraph.Media.MediaTitle	string	Media Title
Destination.Paragraph.paragraphOrder	number	Position of the paragraph within the Article
Destination.Paragraph.Author	object []	Structure containing the information of the author who wrote the paragraph
Destination.Paragraph.Author.authorName	string	String of length 50. Represents the author of the article
Destination.Paragraph.Author.authorDescription	string	String of length 1000. Author's description
Destination.Paragraph.Author.Image	object	Structure containing author-related images
Destination.Paragraph.Author.Image.ImageURL	string	Indicates image url
Destination.Paragraph.Author.Image.ImageDescription	string	Indicates image description
Destination.Paragraph.Author.Image.ImageCredit	string	Indicates the author who owns the image
Destination.Paragraph.Author.Image.ImageLicense	string	License code for image use
Destination.Paragraph.Author.Image.ImageLicenseURL	string	Image license URL
Destination.Paragraph.Author.Image.ImageWidth	number	Image width
Destination.Paragraph.Author.Image.ImageHeight	number	Image height

Destination.Paragraph.Author.Image.ImageEndDate	date	Image expiry date
Destination.Paragraph.Author.Image.ImageTitle	string	Image Title
Destination.Paragraph.destinationID	string []	Destination Reference
Destination.Paragraph.Image	object	Structure containing article-related images
Destination.Paragraph.Image.ImageURL	string	Indicates image url
Destination.Paragraph.Image.ImageDescription	string	Indicates image description
Destination.Paragraph.Image.ImageCredit	string	Indicates the author who owns the image
Destination.Paragraph.Image.ImageLicense	string	License code for image use
Destination.Paragraph.Image.ImageLicenseURL	string	Image license URL
Destination.Paragraph.Image.ImageWidth	number	Image width
Destination.Paragraph.Image.ImageHeight	number	Image height
Destination.Paragraph.Image.ImageEndDate	date	Image expiry date
Destination.Paragraph.Image.ImageTitle	string	Image Title
Destination.Paragraph.HyperLink	object []	Paragraph hyperlink structure
Destination.Paragraph.HyperLink.identifier	string	Paragraph hyperlink identifier
Destination.Paragraph.HyperLink.name	string	Hyperlink name
Destination.Paragraph.HyperLink.description	string	Hyperlink description
Destination.Paragraph.HyperLink.externalUrl	string	Hyperlink URL
Destination.Paragraph.paragraphSubtitle	string []	Paragraph subtitles
Destination.Image	object	Structure containing article-related images
Destination.Image.ImageURL	string	Indicates image url
Destination.Image.ImageDescription	string	Indicates image description
Destination.Image.ImageCredit	string	Indicates the author who owns the image
Destination.Image.ImageLicense	string	Image licence code
Destination.Image.ImageLicenseURL	string	Image licence URL
Destination.Image.ImageWidth	number	Image width
Destination.Image.ImageHeight	number	Image height
Destination.Image.ImageEndDate	date	Image expiry date
Destination.Image.ImageTitle	string	Image Title
Destination.Media	object []	Structure containing the media in the paragraph

Destination.Media.MediaURL	string	Audio/video url
Destination.Media.isExternal	string	Indicates whether it is an audio/video from external sources. Example YouTube
Destination.Media.MediaDescription	string	Audio/video description
Destination.Media.MediaCredit	string	Audio/video credits
Destination.Media.MediaLicense	string	License code for audio/video use
Destination.Media.MediaLicenseURL	string	Audio/video license URL
Destination.Media.MediaType	string	Indicates if it is an Audio or Video
Destination.Media.MediaEndDate	date	Media expiry date
Destination.Media.MediaTitle	string	Media Title
Destination.template	string	Template to be filled in for the Enum call type: [POI, Destination, City, Region].
Destination.feature	object[]	Structure to handle future developments
Destination.feature.id	string	Subject key
Destination.feature.value	string	Value object

Table 3 - Put Destination Body Structure

3.1.2 Put Destination – Response

Code	Field	Type	Description
200	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"
400	codiceEsito	string	Outcome code
500	codiceEsito	string	Outcome code

Table 4 - Put Destination Response structure

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
reqTimestamp(<i>header</i>)	string	Timing at which the call was made, e.g. "1640019167"
source (<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.
e2eKey (<i>header</i>)	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"
identifier(*) ² (<i>path</i>)	string	Unique key

Table 5 - Delete Destination Request structure

4.1.2 Delete Destination – Response

Code	Field	Type	Description
200	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"
400	codiceEsito	string	Outcome code
500	codiceEsito	string	Outcome code

Table 6 - Delete Destination Response structure

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:

² Required Field

- *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.

5.1.1 Put ContentOfInterest – Request

Name	Type	Description
reqTimestamp(<i>header</i>)	string	Timing at which the call was made, e.g. "1640019167"
source (<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.
e2eKey (<i>header</i>)	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"
putDestinationRequest (*) ³ (<i>body</i>)	object	Unique key

Table 7 – Put ContentOfInterest Request structure

putContentOfInterestRequest () (body) object:*

Name	Type	Description
Interest	object	putContentOfInterest service root
Interest.identifier	string	String of length 50. Indicates the sender's unique key for identifying the content of interest
Interest.title	string	String of length 200. Indicates the Title of the article
Interest.subtitle	string	String of length 200. Indicates subtitle
Interest.overtitle	string	String of length 200. Indicates the Overhead
Interest.creationDate	date	Date of creation of the content of interest
Interest.endDate	date	Date of last change to content of interest
Interest.contentURL	string	String of length 200. This is the URL at which the article can be found
Interest.readingTime	Integer	Reading time in seconds
Interest.description	string	String length 1000. Short article description

³ Required field

Interest.language	string[]	String of length 2. Indicates the language in which the data is written format ISO639-1
Interest.Article	object[]	Structure containing information on the paragraph
Interest.Article.destinationID	string[]	Unique key of the sent destination
Interest.Article.articleText	string	Article text in UTF-8
Interest.Article.HyperLink	object[]	Hyperlink information structure
Interest.Article.HyperLink.identifier	string	String of length 50. Hyperlink identifier
Interest.Article.HyperLink.name	string	String of length 50. Hyperlink name
Interest.Article.HyperLink.description	string	String of length 1000. Hyperlink Description
Interest.Article.HyperLink.externalUrl	string	HyperLink url
Interest.Article.Author	object[]	Structure containing the information of the author who wrote the paragraph
Interest.Article.Author.authorName	string	String of length 50. Represents the author of the article
Interest.Article.Author.authorDescription	string	String of length 1000. Author's description
Interest.Article.Author.Image	object	Structure containing author-related images
Interest.Article.Author.Image.ImageURL	string	Image Url
Interest.Article.Author.Image.ImageDescription	string	Image Description
Interest.Article.Author.Image.ImageCredit	string	Indicates the author who owns the image
Interest.Article.Author.Image.ImageLicense	string	Image licence code
Interest.Article.Author.Image.ImageLicenseURL	string	Image licence URL
Interest.Article.Author.Image.ImageWidth	number	Image width
Interest.Article.Author.Image.ImageHeight	number	Image height
Interest.Article.Author.Image.ImageEndDate	date	Image expiry date
Interest.Article.Author.Image.ImageTitle	string	Image Title
Interest.Article.sponsor	object	Structure containing sponsor information
Interest.Article.sponsor.identifier	string	Sponsor Identifier
Interest.Article.sponsor.name	string	Sponsor Name
Interest.Article.sponsor.icon	string	Sponsor URL
Interest.Article.tags	string[]	String of length 200. TAGs to be associated with the article to facilitate searching
Interest.Article.thematicArticleEvents	boolean	The article contains events
Interest.Article.source	object	Source Information Structure
Interest.Article.source.identifier	string	Source Identifier
Interest.Article.source.name	string	String of length 50. Represents the HTML Page title
Interest.Article.source.description	string	String of length 1000. Indicates the Description of the resource
Interest.Article.source.url	string	String of length 200. Indicates the URL of the source page
Interest.Paragraph	object	Structure containing paragraph information

Interest.Paragraph.identifier	string	Unique key of size 50 identifying the paragraph
Interest.Paragraph.paragraphText	string	Article text in UTF-8
Interest.Paragraph.paragraphTitle	string[]	String of length 200. It is the paragraph title of the article
Interest.Paragraph.Media	object[]	Structure containing the media in the paragraph
Interest.Paragraph.Media.MediaURL	string	Audio/video URL
Interest.Paragraph.Media.isExternal	string	Indicates whether it is an audio/video from external sources. Example YouTube
Interest.Paragraph.Media.MediaDescription	string	Audio/video description
Interest.Paragraph.Media.MediaCredit	string	Audio/video credits
Interest.Paragraph.Media.MediaLicense	string	License code for audio/video use
Interest.Paragraph.Media.MediaLicenseURL	string	Audio/video license URL
Interest.Paragraph.Media.MediaType	string	Indicates if it is an Audio or Video
Interest.Paragraph.Media.MediaEndDate	date	Media expiry date
Interest.Paragraph.Media.MediaTitle	string	Media Title
Interest.Paragraph.paragraphOrder	number	Position of the paragraph within the Article
Interest.Paragraph.Author	object[]	Structure containing the information of the author who wrote the paragraph
Interest.Paragraph.Author.authorName	string	String of length 50. Represents the author of the article
Interest.Paragraph.Author.authorDescription	string	String of length 1000. Author's description
Interest.Paragraph.Author.Image	object	Structure containing author-related images
Interest.Paragraph.Author.Image.ImageURL	string	Image URL
Interest.Paragraph.Author.Image.ImageDescription	string	Image Description
Interest.Paragraph.Author.Image.ImageCredit	string	Indicates the author who owns the image
Interest.Paragraph.Author.Image.ImageLicense	string	License code for image use
Interest.Paragraph.Author.Image.ImageLicenseURL	string	Image license URL
Interest.Paragraph.Author.Image.ImageWidth	number	Image width
Interest.Paragraph.Author.Image.ImageHeight	number	Image height
Interest.Paragraph.Author.Image.ImageEndDate	date	Image expiry date
Interest.Paragraph.Author.Image.ImageTitle	string	Image Title
Interest.Paragraph.DestinationID	string[]	Destination Reference
Interest.Paragraph.Image	object	Structure containing article-related images
Interest.Paragraph.Image.ImageURL	string	Image URL
Interest.Paragraph.Image.ImageDescription	string	Image Description
Interest.Paragraph.Image.ImageCredit	string	Indicates the author who owns the image
Interest.Paragraph.Image.ImageLicense	string	Image license code
Interest.Paragraph.Image.ImageLicenseURL	string	Image license URL
Interest.Paragraph.Image.ImageWidth	number	Image width
Interest.Paragraph.Image.ImageHeight	number	Image height
Interest.Paragraph.Image.ImageEndDate	date	Image expiry date

Interest.Paragraph.Image.ImageTitle	string	Image Title
Interest.Paragraph.HyperLink	object[]	Paragraph hyperlink structure
Interest.Paragraph.HyperLink.identifier	string	Hyperlink identifier
Interest.Paragraph.HyperLink.name	string	Hyperlink name
Interest.Paragraph.HyperLink.description	string	Hyperlink Description
Interest.Paragraph.HyperLink.externalUrl	string	HyperLink URL
Interest.Paragraph.paragraphSubtitle	string[]	Paragraph subtitles
Interest.template	string	Template to be filled in for the Enum call type:[Article].
Interest.destinationID	string[]	String of length 50.List of IDs communicated to the TDH on the API "Communicate Destination" related to article destinations
Interest.feature	object[]	Structure to handle future developments
Interest.feature.id	string	Subject key
Interest.feature.value	string	Object value

Table 8 – Put ContentofInterest Body structure

5.1.2 Put ContentOfInterest – Response

Code	Field	Type	Description
200	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"
400	codiceEsito	string	Outcome code
500	codiceEsito	string	Outcome code

Table 9 – 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
reqTimestamp(<i>header</i>)	string	Timing at which the call was made. e.g. "1640019167"
source (<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
e2eKey (<i>header</i>)	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"
identifier(*) ⁴ (<i>path</i>)	string	Sample Description

Table 10 – Delete ContentOfInterest Request structure

6.1.2 Delete ContentofInterest – Response

Code	Field	Type	Description
200	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"
400	codiceEsito	string	Outcome code
500	codiceEsito	string	Outcome code

Table 11 – Delete ContentOfInterest Response structure

⁴ Required field

7 Put Accomodation Interface

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

The specifications for 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*: Put

7.1 Put Accomodation – Swagger

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

7.1.1 Put Accomodation – Request

Name	Type	Description
reqTimestamp(<i>header</i>)	string	Timing at which the call was made, e.g. "1640019167"
source (<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.
e2eKey (<i>header</i>)	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"
putAccommodationRequest (*) ⁵ (<i>body</i>)	object	Unique key

Table 12 – Put Accomodation Request structure

putAccommodationRequest () (body) object*:

numberOfToilets	integer(\$int32)	Number of length 20. Total number of bathrooms in the structure
heating	boolean	Heating
validTrough		[End of validity opening and closing time string]
reservationInfo	string	String of length 200. It is the information on how to book/cancel the reservation

⁵ Required field

wifiAccess	boolean	WIFI availability
bar	boolean	Bar availability
opens		[Opening hours string]
parking	boolean	Parking availability
priceRange	string	String of length 200. It relates to the price range of the rooms
reception	boolean	Reception availability
numberOfRooms	integer(\$int32)	Number of length 20. It is the total number of rooms in the facility
numberOfBeds	integer(\$int32)	Number of length 20. It is the total number of beds in the facility
altitude	integer(\$int32)	Destination altitude if address not available
satelliteTV	boolean	Satellite TV availability
longitude	integer(\$int32)	Destination longitude if address not available
luggageService	boolean	Baggage service
airConditioning	boolean	Air-conditioning availability
owner	string	String of length 200. It represents the Owner of the facility
Strongbox	boolean	Safe presence
soundproof	boolean	Soundproof
accomodationStar	string	String of length 10. It indicates the Class of the facility (3 Stars, 4 Stars, etc.)
name	string	String of length 200. It indicates the name of the structure
safeDepositBox	boolean	In-room safe
identifier	string	String of length 50. It indicates the unique Key of the sender of the POI identification
validFrom		[Start of opening and closing times string]
address	string	String of length 200. It indicates the Address of the mandatory POI if there is no lat long alt
weelchairAccess	boolean	Handicap access
shortDescription	string	String of length 200. It is a short description of the structure

roomService	boolean	Room services availability
longDescription	string	String of length 1000. It is the detailed description of the structure
language	string	String of length 2. It indicates the Language Code in which the record is written according to ISO639-1
sauna	boolean	Sauna availability
noSmoking	boolean	Structure that allows smoking rooms
elevator	boolean	Elevator
daysOfWeek	string	Days of the week when the POI respects the opening and closing times. Enum: [MON, THU, WED, TUE, FRI, SUN, SAT]
hotTub	boolean	Hot tub
email		[String of length 200. It indicates the contact e-mail of the structure string]
petAllowed	boolean	Acceptance of pets
TV	boolean	TV presence
miniBar	boolean	Mini-Bar availability
phone	boolean	Phone availability
acceptedCreditCards		[String of length 200. It indicates the contact e-mail of the property string]
hotelChain	string	String of length 200. It indicates the Chain of ownership of the structure
newspaper	boolean	Newspaper's availability
independentEntrance	boolean	Independent room entrance
smokingRoom	boolean	Presence of a space reserved for smokers
sizePetAllowed	string	String of length 200. It indicates the size of pets allowed. Enum: [SMALL, MEDIUM, LARGE]
latitude	integer(\$int32)	Latitude of destination if not present address
swimmingPool	boolean	Pool availability
website	string	String of length 200. It indicates the Website of the facility

style	string	String of length 50. It indicates the architectural style of the structure
restaurant	boolean	Restaurant presence
status	string	String of length 50. It indicates the Status of the facility (e.g. open, close, etc)
closes		[Closing time string]
phoneNumber	integer(\$int32)	Number of length 20. Phone number of the structure
Image	ImageURL	string It indicates the URL of the image
	ImageDescription	string It indicates the image description
	ImageCredit	string It indicates the Credits of the image
	ImageLicense	string License code for using the image
	ImageLicenseURL	string URL of the image license
	ImageWidth	number(\$double) Width of the image
	ImageHeight	number(\$double) Height of the image
Media	MediaURL	string It indicates the URL of the audio/video
	MediaDescription	string It indicates the description of the audio/video
	MediaCredit	string It indicates the Credits of the audio/video
	MediaLicense	string License code for audio/video usage
	MediaLicenseURL	string License URL of the audio/video
	MediaType	string indica se è un Audio o Video
destinationID		[String of length 50. It indicates the unique Key of the sender of destination identification string]
feature		[Additional field to handle future evolutions { id string value string }]

Table 13 - Put Accomodation Body Structure

7.1.2 Put Accomodation – Response

Code	Field	Type	Description
200	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"
400	codiceEsito	string	Outcome code
500	codiceEsito	string	Outcome code

Table 14 – Put Accomodation Response structure

8 Delete Accomodation Interface

This web API will allow the Partner to interface with TDH022 by deleting a previously selected accommodation.

The specifications for this API are given:

- *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 Accomodation – Swagger

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

8.1.1 Delete Accomodation – Request

Parameters:

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

e2eKey (header)	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"
identifier(*) ⁶ (path)	string	Unique key

Table 15 – Delete Accomodation Request structure

8.1.2 Delete Accomodation – Response

Code	Field	Type	Description
200	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"
400	codiceEsito	string	Outcome code
500	codiceEsito	string	Outcome code

Table 16 – Delete Accomodation Response structure

9 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

9.1 Put Event – Swagger

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

9.1.1 Put Event – Request

Name	Type	Description
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⁶ Required field

reqTimestamp(<i>header</i>)	string	Timing at which the call was made, e.g. "1640019167"
source (<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.
e2eKey (<i>header</i>)	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"
putEventRequest (*) ⁷ (<i>body</i>)	object	Unique key

Table 17 – Put Event Request structure

putEventRequest () (body) object:*

Name	Type	Description
event	object	putEvent service root
event.identifier	string	String of length 50. Indicates the sender's unique key for identifying the event
event.title	string	String of length 200. Indicates the Title of the event
event.subtitle	string	String of length 200. Indicates the subtitle of the event
event.description	string	String of length 1000. Short description of the event
event.type	string	Event type
event.isVirtual	boolean	If it is a virtual or on-site event
event.startDate	date	Event start date
event.endDate	date	End date of event
event.agent	string	Event organiser
event.url	string	Event Url
event.openingHours	string	Periodic event schedule (e.g. 'every Tuesday at 6 p.m.')
event.price	object	Ticket price
event.Image	object	Structure containing article-related images
event.Image.ImageURL	string	Image Url
event.Image.ImageDescription	string	Image Description
event.Image.ImageCredit	string	Indicates the author who owns the image
event.Image.ImageLicense	string	Image license code
event.Image.ImageLicenseURL	string	Image license URL
event.Image.ImageWidth	number	Image width
event.Image.ImageHeight	number	Image height
event.Image.ImageEndDate	date	Image expiry date
event.Image.ImageTitle	string	Image Title
event.Media	object[]	Structure containing the media in the paragraph
event.Media.MediaURL	string	Audio/video URL
event.Media.isExternal	string	Indicates whether it is an audio/video from external sources. Example YouTube

⁷ Required field

event.Media.MediaDescription	string	Audio/video description
event.Media.MediaCredit	string	Audio/video credits
event.Media.MediaLicense	string	License code for audio/video use
event.Media.MediaLicenseURL	string	Audio/video license URL
event.Media.MediaType	string	Indicates if it is an Audio or Video
event.Media.MediaEndDate	date	Media expiry date
event.Media.MediaTitle	string	Media Title
event.Paragraph	object	Structure containing paragraph information
event.Paragraph.identifier	string	Unique key of size 50 identifying the paragraph
event.Paragraph.paragraphText	string	Article text in UTF-8
event.Paragraph.paragraphTitle	string[]	String of length 200. It is the paragraph title of the article
event.Paragraph.Media	object[]	Structure containing the media in the paragraph
event.Paragraph.Media.MediaURL	string	Indicates audio/video url
event.Paragraph.Media.isExternal	string	Indicates whether it is an audio/video from external sources. Example YouTube
event.Paragraph.Media.MediaDescription	string	Indicates audio/video description
event.Paragraph.Media.MediaCredit	string	Audio/video Credits
event.Paragraph.Media.MediaLicense	string	License code for audio/video use
event.Paragraph.Media.MediaLicenseURL	string	Audio/video license URL
event.Paragraph.Media.MediaType	string	Indicates if it is an Audio or Video
event.Paragraph.Media.MediaEndDate	date	Media expiry date
event.Paragraph.Media.MediaTitle	string	Media Title
event.Paragraph.paragraphOrder	number	Position of the paragraph within the Article
event.Paragraph.Author	object[]	Structure containing the information of the author who wrote the paragraph
event.Paragraph.Author.authorName	string	String of length 50. Represents the author of the article
event.Paragraph.Author.authorDescription	string	String of length 1000. Author's description
event.Paragraph.Author.Image	object	Structure containing author-related images
event.Paragraph.Author.Image.ImageURL	string	Image URL
event.Paragraph.Author.Image.ImageDescription	string	Image description
event.Paragraph.Author.Image.ImageCredit	string	Indicates the author who owns the image
event.Paragraph.Author.Image.ImageLicense	string	Image license code
event.Paragraph.Author.Image.ImageLicenseURL	string	Image license URL
event.Paragraph.Author.Image.ImageWidth	number	Image width
event.Paragraph.Author.Image.ImageHeight	number	Image height
event.Paragraph.Author.Image.ImageEndDate	date	Image expiry date
event.Paragraph.Author.Image.ImageTitle	string	Image Title
event.Paragraph.eventID	string[]	Destination Reference
event.Paragraph.Image	object	Structure containing article-related images
event.Paragraph.Image.ImageURL	string	Image URL

event.Paragraph.Image.ImageDescription	string	Image Description
event.Paragraph.Image.ImageCredit	string	Indicates the author who owns the image
event.Paragraph.Image.ImageLicense	string	Image license code
event.Paragraph.Image.ImageLicenseURL	string	Image license URL
event.Paragraph.Image.ImageWidth	number	Image width
event.Paragraph.Image.ImageHeight	number	Image height
event.Paragraph.Image.ImageEndDate	date	Image expiry date
event.Paragraph.Image.ImageTitle	string	Image Title
event.Paragraph.HyperLink	object[]	Paragraph hyperlink structure
event.Paragraph.HyperLink.identifier	string	Hyperlink identifier
event.Paragraph.HyperLink.name	string	Hyperlink Name
event.Paragraph.HyperLink.description	string	Hyperlink Description
event.Paragraph.HyperLink.externalUrl	string	Hyperlink Url
event.Paragraph.paragraphSubtitle	string[]	Paragraph subtitles
event.tags	string[]	String of length 200. TAGs to be associated with the event to facilitate searching
event.services	object	Structure containing the services offered at the event
event.services.otherServices	string	Free text for any other services
event.services.listOfServices	string[]	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, refreshments, services-hygiene, shop, guided-visits, wi-fi, non-smoking rooms, family-room-availability, reception-24-hours-a-day, 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, bathroom-for-disabled-guests, smoking area]]
event.template	string	Template to be filled in for the Enum call type:[Event].
event.eventID	string[]	String of length 50.List of IDs communicated to the TDH on the API 'Communicate Event' relating to article events
event.feature	object[]	Structure to handle future developments
event.feature.id	string	Subject key
event.feature.value	string	Value object

Table 18 - Put Event Body Structure

9.1.2 Put Event – Response

Code	Field	Type	Description
200	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"
400	codiceEsito	string	Outcome code
500	codiceEsito	string	Outcome code

Table 19 – Put Event Response structure

10 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

10.1 Delete Event – Swagger

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

10.1.1 Delete Event – Request

Parameters:

Name	Type	Description
reqTimestamp(<i>header</i>)	string	Timing at which the call was made, e.g. "1640019167"
source (<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.
e2eKey (<i>header</i>)	string	Unique key of the entire transaction. The length of the string is 50, e.g. "1232432eeer23"

identifier(*) ⁸ (path)	string	Unique key
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Table 20 – Delete Event Request structure

10.1.2 Delete Event – Response

Code	Field	Type	Description
200	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"
400	codiceEsito	string	Outcome code
500	codiceEsito	string	Outcome code

Table 21 – Delete Event Response structure

⁸ Campo obbligatorio