Field name	Description about the field	Type	Transport Announcement (TA)		Congestions Announcement (CA)		Free text (FT)	
"id"	Unique identifier for the announcement	UUID; string	M	UUID	M	UUID	M	UUID
"message"	Extra message from the GridOperator or message including zip codes	String	O	Message	O	Message/ or message including zip code	M	Message/ or message including zip code
"includeZipCodes"	Boolean check if Zip Codes are used in the message field	Boolean	N	Null	M	True; False; Null	O	True; False; Null
"zipCodeGranularity"	Granularity of the provided zip codes	Integer	N	Null	M	[4;5;6] of null	O	[4;5;6] or Null
"createdTimestamp"	Creation timestamp of the announcement in the EPOCH standard.	EPOCH	M	EPOCH	M	EPOCH	M	EPOCH
"problemAreaDescription"	The names(s) of the area(s) where the GridOperator searches for orders	String	N	null	M	Area name (free text)	N	Null
"requestAreaDescriptionBuyOrders"	Specific area where Buy orders are requested. Area's are separated by ;	String	M	Names of the relevant FROM Area's	N	null	N	Null
"requestAreaDescriptionSellOrders"	Specific area where Sell orders are requested. Area's are separated by ;	String	M	Names of the relevant TO Area's	N	null	N	Null
"problemProfileInMW"	Capacity needed by the Gridoperator defined per quarter.	Array with numbers (or null value) in MW	M	set of Capacities for each quarter	M	Set of capacities for each quarter for the day	N	Null
"announcementState"	The state of the announcement	String	M	ANNOUNCEMENT_OPEN/ _CLOSED/ _DELETED	M	ANNOUNCEMENT_OPEN/ _CLOSED/ _DELETED	N	Null
"problemPeriod"		JSON object	M	JSON object	M	JSON object	N	Null
"startTime"	Start time of the Transport problem	EPOCH	M	Start time in EPOCH	M	Start time in EPOCH	N	
"endTime"	End time of the Transport problem	EPOCH	M	End time in EPOCH	M	End time in EPOCH	N	
"numberOfQuartersInTimeSpan"	Number of quarters between start and end time of the announcements	integer	M	# of quarters (difference between startTime and EndTime)	O	96 or 92/100 (for DST change)	N	
"organisationName"	Gridoperator name; TenneT; Alliander	String	M	GridOperator name	M	GridOperator name	M	GridOperator name
"complianceType"	States if it Is Mandatory to do bids for GOPACS based on the Dutch Grid Code regime. Voluntary does NOT mean you don't need to follow your GOPACS trade. It only referring to the Dutch Grid Code.	string	M	Mandatory/Voluntary	M	Mandatory/Voluntary	M	Mandatory/Voluntary
"day"	The day for which the congestion announcement is relevant for	EPOCH	N	Null	M	EPOCH	N	Null
"type"	The type of the announcement	string	M	TRANSPORT	M	CONGESTION	M	FREE_TEXT

M= mandatory field, O=Optional field, N=Not used

URL end-point
The following end-point has been made available for automatic parsing by the market:

https://idcons.nl/machineannouncements

There is no polling limitation implemented on this end-point, but abuse and polling patterns are being monitored.

End-point usage and response
Polling the end-point with a GET request will give a response in the form of a JSON object. The URL can be used in combination with filters applied on the response.

Parameters that can be used for filtering on the URL.

Announcements can be filtered on 'zipCode', 'startTime', 'endTime', 'type' and 'state'. All of these filters are optional, but can be combined to narrow the search. Filters used in combination form a logical AND so less results will be returned. Filtering on postal code allows for searching either the 4 digits, 4 digits and one letter or full zipCode. When parameters are used to filter in the GET calls, the capital letters should be converted in small letters (endTime -> endtime).

Example for search on postal code or on type;
https://acc.idcons.nl/machineannouncements?postalcode=4565YT or
https://acc.idcons.nl/machineannouncements?type=FREE_TEXT
If the end-point return an empty JSON object the filter on the announcement did not lead to any result.

Announcements main types
Announcements by the GridOperators about congestion problems in the Dutch electricity grid are done using three main types:

1. Transport announcements (TA)
2. Congestion announcements (CA)
3. Free text announcements (FT)

Depending on the congestion problem and the congestion management regime obliged by the Dutch GridCode, one of the three options is used to communicate with the market about upcoming congestion.

Response JSON object

For all the announcement main types, all the above mentioned JSON fields returns in the data. Not every announcement main type is using JSON fields. An explanation about each field is given in the table above. Some fields are mandatory, some are optional or some are not used.

Explanation about the business logic is given in the table above for each field as well.

Recommended polling mechanism to get the latest Announcement

It's recommended to implement a polling mechanism (every 5 minutes bases) on the end-point (with or without filtering) that checks on a new (unique) UUID of the announcement. The JSON object is always given back as a sorted object list with the last created announcement on top. Polling on the change of UUID of the last JSON object entry in the list will give you the new announcement information that is required.