

API Reference

ETSI GS QKD 004 push mode specification, KMS server

API Version: 1.0.1

Server description of the KMS endpoint processing ETSI GS QKD 004 push mode requests

CONTACT

URL: <https://qkd-kms.ait.ac.at>

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1.1 [POST /key-material](#)

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Security and Authentication

SECURITY SCHEMES

<u>KEY</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
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API

1. ETSI004

1.1 POST /key-material

Endpoint for pushing key material.

According to the sequence, after receiving a successful get-key the QKD can push the keys it generates to this endpoint.

REQUEST

REQUEST BODY - application/json

NAME	TYPE	DESCRIPTION
status*	{recursive}	status
index*	integer	increasing index of the key chunk in the key stream. Wrapping at UINT_MAX.
key_buffer*	string	
metadata	object	
size	integer	size of buffer in characters.
buffer	object	
key_stream_id*	string	key stream ID to which the value belongs (required for KMS in case of multiple open key streams).

RESPONSE

STATUS CODE - 201: Key successfully received.

RESPONSE MODEL - application/json

NAME	TYPE	DESCRIPTION
OBJECT WITH BELOW STRUCTURE		
status*	{recursive}	status
metadata	{recursive}	metadata