

3GPP 5G HMTc (High Performance Machine Type Communication) SST (Service Slice Type)

Standardised SST (Service Slice Type) values

Standardized SST values provide a way for establishing global interoperability for slicing so that PLMNs can support the roaming use case more efficiently for the most commonly used Slice/Service Types.

The SSTs which are standardised are in the following Table 5.15.2.2-1. (Ref 3GPP Rel. 17 June 2021).

Table 5.15.2.2-1: Standardised SST values

Slice/Service type	SST value	Characteristics
eMBB	1	Slice suitable for the handling of 5G enhanced Mobile Broadband.
URLLC	2	Slice suitable for the handling of ultra- reliable low latency communications.
MIoT	3	Slice suitable for the handling of massive IoT.
V2X	4	Slice suitable for the handling of V2X services.
HMTc	5	Slice suitable for the handling of High-Performance Machine-Type Communications.

NEST for Massive IoT

Table 71 describes the NEST (Network Slice Type) for Massive IoT (MIoT) SST defined in 3GPP Rel. 17.

Small data volumes per UE, High Density of Devices, and extreme coverage characterise this Use Case

GSM Association
Official Document NG.116 - Generic Network Slice Template

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Attribute		Value
Availability		99,9
Slice quality of service	3GPP 5QI	9
Supported device velocity		2
UE density		100000

Table 71 List of attributes needed for NEST for MIoT SST

4.4 NEST for High-Performance Machine-Type Communications

Table 72 lists the minimum set of attributes needed for NEST for High-Performance

Attribute		Value
Availability		99.999
Device Velocity		0
UE density (per km²)		1000
Mission critical support		Mission critical
	Mission-critical capability support	Inter-user prioritization
	Mission-critical service support	MCDATA
Slice quality of service	3GPP 5QI	83

Table 72 List of attributes needed for HMTc