WHY MNOs BENEFIT FROM GSMA'S NETWORK SETTINGS EXCHANGE (NSX)

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BACKGROUND / RECAP

2016

- **TS.32:** Technical Adaptation of Devices through Late Customization V1.0
  - PRD defining a set of Network related Settings in Devices, (IMS, APN, 2G/3G/4G/5G, Others)
  - Work on TS.32 is still ongoing, currently in V12.0. (2023)

- **TS.36:** Devices Setting Database
  - PRD defining requirements & functions of a "Device Settings Database"
  - a platform to share TS.32 settings among MNOs & OEMs - Designed by MNOs & OEMs
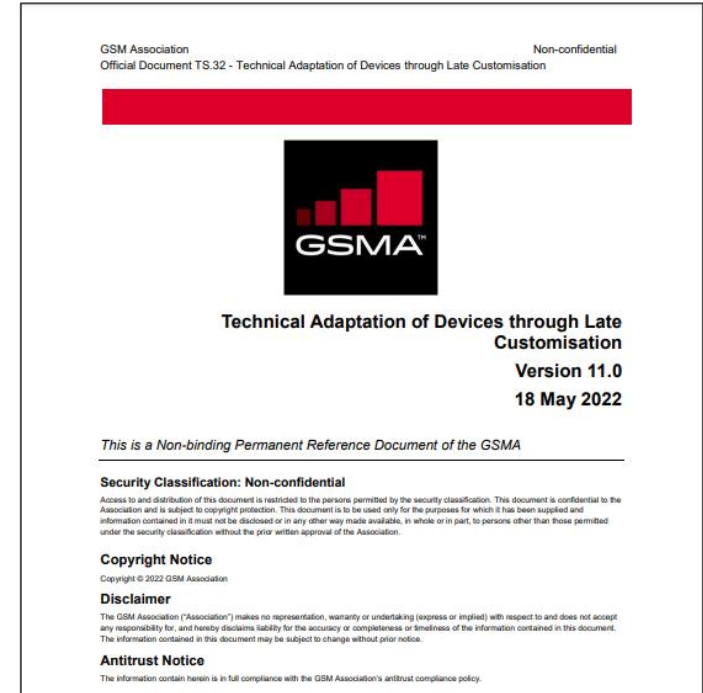 - TS.36 was used for reference, and archived after NSX launched

2019

- GSMA develops and launches Network Settings Exchange (NSX)
  - Actively maintained and developed by GSMA. Growing in usage ever since (~630 OEMs / 140 MNOs)

DT PARTICIPATION

- **DT uses service to share all 15 separate network settings documents**
    - 12 MNOs & 3 MVNOs
    - Since launch 2019, more than 1.500 downloads accumulated
    - Incoming queries from OEMs & Chipset manufacturers

- **Target: OEMs & devices outside of DT portfolio**
    - Most of the ~600 OEMs have no bilateral relation with DT at all
    - Used to be blind-spot for our Terminals-Team

- **DT active in TSG driving NSX & TS.32 forward ever since**

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Official Document TS.32 - Technical Adaptation of Devices through Late Customisation

GSMA

Technical Adaptation of Devices through Late Customisation
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DT SETTINGS IN NSX

S.No	File Name	Total Number of times OEMs Downloaded
1	TS.32 v9.1 Magenta Telekom Austria_232_03_01_220519.xlsx	62
2	TS.32 v9.1 T-Mobile Netherlands_204_16_1_220518.xlsx	50
3	TS.32 v9.1 Tele2 NL (MVNO T-Mobile Netherlands)_220519.xlsx	52
4	TS.32 v9.1 T-Mobile Polska_260_02_1_220519.xlsx	54
5	TS.32 v9.1 Slovak Telekom_231_02_1_220519.xlsx	50
6	TS.32 v9.1 Telekom Romania_226_03_06_1_220519.xlsx	50
7	TS.32 v9.1 Telekom Deutschland_262_1_1_220519.xlsx	57
8	TS.32 v9.1 Congstar (MVNO Telekom Deutschland)_262_1_1_220519.xlsx	59
9	TS.32 v9.1 T-Mobile Czech Republic_230_01_1_220518.xlsx	56
10	TS.32 v9.1 COSMOTE Greece_202_01_1_220519.xlsx	57
11	TS.32 v9.1 Hrvatski Telekom_219_01_1_220519.xlsx	56
12	TS.32 v9.1 Magyar Telekom_216_30_1_220519.xlsx	56
13	TS.32 v9.1 Makedonski Telekom_294_01_1_220519.xlsx	57
14	TS.32 v9.1 Crnogorski Telekom Podgorica_297_02_1_220519.xlsx	60
15	TS.32 v9.1 Bonbon (MVNO Hrvatski Telekom)_219_01_1_220519.xlsx	63

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OUTLOOK & CALL TO ACTION

- **New work-mode to jointly work on NSX features in future, with OEMs, MNOs & GSMA**

- **Starting July 13th**

- **DT expects increasing maturity, more features and wider relevance of NSX**

- **Hoping for more OEMs and MNOs to join the service and the discussion in TSG**

Thank You ! Questions ?

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