**3GPP TSG-SA5 Meeting #162 *S5-253444***

Goteborg, Sweden, 25 - 29 August 2025

**Title: LS on ZSM work on Agent and Autonomy**

**Response to: LS S5-253304/ETSI ISG ZSM(25)000129r1 on ZSM work on Agent and Autonomy from ETSI ZSM**

**Release: Rel-19, Rel-20**

**Work Item: FS\_IDMS\_MN\_Ph4,** **FS\_NDT\_Ph2, FS\_CCLM\_Ph2**

**Source: SA5**

**To: ETSI ISG ZSM**

**Cc: TM Forum, IETF OPS Area, IRTF NMRG, IETF ART Area, ITU-T SG11, ITU-T SG13, ITU-T SG15, CCSA TC7, ETSI ISG F5G, ETSI ISG NFV, ETSI ISG ENI**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

**Attachments:** **None**

# 1 Overall description

SA5 thanks ETSI ZSM for the incoming LS on ZSM work on Agent and Autonomy. SA5 would like to share the working progress on the following Rel-19/Rel-20 autonomous network related topics:

**Intent driven management**

* 3GPP SA5 has completed its Release 19 work item on Intent driven Management Service for mobile network phase 3 based on R17 and R18 intent work on Jun, 2025. Reference document is TS 28.312 (Management and orchestration; Intent driven management services for mobile networks. Available at: <https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3554>)
* 3GPP SA5 has now initiated its Release 20 study item on Intent driven Management Service for mobile network phase 4 based on R17, R18 and R19 intent work. Reference document is SP-250861 (New SID Study on intent driven management services for mobile network phase 4. Available at: <https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionUid=SP-250861>). Corresponding outcome will be documented in the TR 28.881 (Study on intent driven management service for mobile network phase 4. Available at: <https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4433>) and expected to be completed on Jun, 2026.

**Network digital twins**

* 3GPP SA5 has start its Release 19 work item on Management aspects of Network Digital Twins. Reference document is TS 28.561 (Management and orchestration; Management aspects of Network Digital Twins. Available at: <https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4384> ) and expected to be completed on September, 2025.
* 3GPP SA5 has now initiated its Release 20 Study on management aspects of Network Digital Twin phase 2 based on R19 NDT work. Reference document is SP-250886 (New SID Study on management aspects of Network Digital Twins phase 2. Available at: <https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionUid=SP-250866> ). Corresponding outcome will be documented in the TR 28.883 (Study on management aspects of Network Digital Twin phase 2. Available at: <https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4428> ) and expected to be completed on Jun, 2026.

**Closed control loop:**

* 3GPP SA5 has start its Release 19 work item on Management Aspects of Closed Control Loops. Reference document is TS 28.567 (Management and orchestration; Management Aspects of Closed Control Loops. Available at: <https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4382>) and expected to be completed on September, 2025.
* 3GPP SA5 has now initiated its Release 20 Study on closed control loop management phase2 based on R19 Closed control loop work. Reference document is SP-250868 (New SID on Closed Control Loop Management -Ph2. Available at: <https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionUid=SP-250868> ). Corresponding outcome will be documented in the TR 28.889 (Study on closed control loop management phase2. Available at: <https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4427> ) and expected to be completed on Jun, 2026.

# 2 Actions

**To <ETSI ISM ZSM>**

**ACTION:** 3GPP SA5 kindly requests ETSI ZSM to consider to reuse the 3GPP MnSs where appropriate and keep us informed about the progress on this Agent and Autonomy standardization work.

# 3 Dates of next TSG SA WG5 meetings

SA5#163 13 October - 17 October 2025 Wuhan, China

SA5#164 17 November - 21 November 2025 Dallas, USA