# Memorandum

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**Subject:** Siemens Simatic S7-1500 PLC

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**To:** Domestic Agencies, TROs and suppliers,

After careful consideration, the ITER Control System Division would like to formally announce the addition of the Siemens Simatic S7-1500 PLC to our list of approved controllers.

The following S7-1500 CPUs have been approved for use in ITER control system design:

- CPU 1516-3 PN/DP (6ES7516-3AN01-0AB0)
- CPU 1512SP-1 PN (6ES7512-1DK01-0AB0)

The Totally Integrated Automation (TIA) Portal has been approved for use as programming software.

Documents referencing PLC controllers and programming software will soon be revised to include the S7-1500 components and software; including but not limited to:

- 'ITER catalogue for I&C products – Slow controllers PLC' (ITER_D_333J63);
- 'Siemens Reference List' (ITER_D_AWYQ5G).

The Plant Control Design Handbook (ITER_D_27LW2V) requirements regarding the selection of PLC and programming software are hereby enhanced to include the S7-1500 PLC and TIA Portal:

- [R132] Slow Controller shall use the Siemens Simatic S7-300 or S7-400 or S7-1500 ranges.
- [R297] The PLCs shall be programmed with the engineering software STEP7 or TIA Portal.

This PLC range and TIA Portal will be fully supported by CODAC Core System from version 6.0.

Please feel free to send questions or comments.

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