

Port Allocation for New 3GPP Interfaces

Port numbers should be assigned from a sub-range of the Dynamic/Private Port range [49152 - 65535]. Working Group CT4 decided to set aside further sub-range of 101 ports from 65400 to 65500. 3GPP allocated port numbers are documented in 3GPP **TS 29.641**.

From Release 17 onwards, when a new application requires a pre-defined server port number, during the application initialization the operating system will tell the new application if the port is already in use or not. If the port is in use by another, legacy application, the new application or operating system shall ensure that the legacy application stops using the port.

It is up to the implementation to decide if the legacy application will be forced to stop using the port immediately, or if the legacy application will be granted some period of time for gracious removal of the port from use.

If 3GPP WG needs port allocation, the working group shall send an LS request to 3GPP CT4. CT4 accepts the request if it addresses the following matters (checklist):

- a. The request should be for a protocol, which is supported by intra-domain interface(s).
- b. The request should indicate that the request cannot meet IANA/IETF requirements for the port number allocation.
- c. The request should indicate that solution#6 is preferable and selected after evaluating other solutions specified in 3GPP TR 29.941.

For more information, please check WG CT4's Technical Report and Specification on this topic:

- 3GPP TR [29.941](#) - Guidelines on Port Allocation for New 3GPP Interfaces
- 3GPP TS [29.641](#) - 3GPP registry for Service Names and Port Numbers