



## Wireless Software and Hardware platforms for Flexible and Unified radio and network control

### Project Deliverable D4.3

#### First software development kit and toolset for network control

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#### Abstract:

This deliverable reports the first release of the software development kit (SDK) and toolset for network control. This is a companion deliverable of D4.2, which provides capabilities and description, while the present deliverable contains the SDK implementation.

#### Keywords:

Software release, SDK, toolset, UPI\_N, implementation.

## First release of the toolset for network control

WiSHFUL SDK for network control includes the UPI\_N implementation, the unified interface for controlling WiSHFUL programmable network platforms and the WiSHFUL management and control engine. Furthermore in this deliverable we include the general framework of WiSHFUL that is the core of the implemented MCE and provides the ability to implement UPI\_L and UPI\_G.

The source code implementing UPI\_N, UPI\_G, UPI\_L and example showcases can be found in:

[https://github.com/WirelessTestbedsAcademy/wishful\\_upis](https://github.com/WirelessTestbedsAcademy/wishful_upis)

The documentation for the UPI\_N can be found in:

[http://wirelesstestbedsacademy.github.io/wishful\\_upis/upis.html#module-upis.upi\\_rn](http://wirelesstestbedsacademy.github.io/wishful_upis/upis.html#module-upis.upi_rn)

The documentation of the UPI\_G can be found in:

[http://wirelesstestbedsacademy.github.io/wishful\\_upis/upis.html#module-upis.global\\_intf](http://wirelesstestbedsacademy.github.io/wishful_upis/upis.html#module-upis.global_intf)

Finally the documentation for the UPI\_L can be found in:

[http://wirelesstestbedsacademy.github.io/wishful\\_upis/upis.html#module-upis.local\\_intf](http://wirelesstestbedsacademy.github.io/wishful_upis/upis.html#module-upis.local_intf)