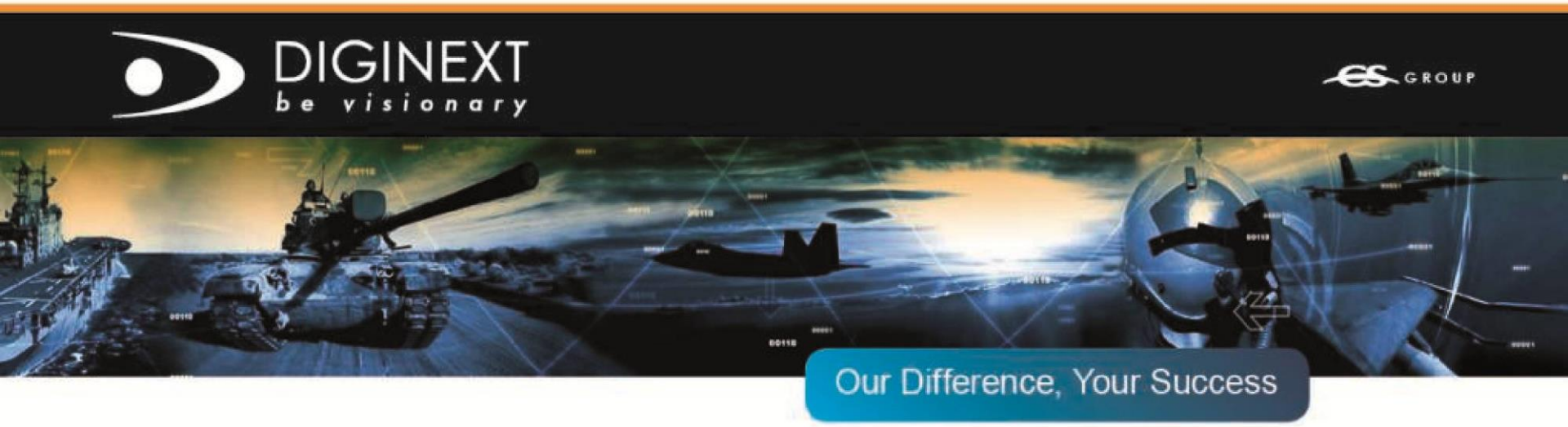

Products Summary

TactX2

NMM22

StarlinX22

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Glossary

- API Application Programming Interface
- BC7 L22 SNC Block Cycle 7 version 10 or later
- DLP DataLinkProcessor
- F/FJ Link22 Messages as perSTANAG 5522
- LLC Link-Level COMSEC (referred to as “L22 Crypto” also)
- NCE NILECommunicationEquipment(SNC/LLC/SPC/Radio)
- NCS NetworkCycleStructure
- NILE PMO NILE (L22) Programme ManagementOffice
- NMM NetworkMonitoringandManagement
- NMU NILENetworkManagementUnit
- NRS NILE Reference System (SNCd/LLCsim/Media Simulator)
- NU NILEUnit
- SNC L22System NetworkController
- SNMU NILE Super Network Management Unit
- SPC Signal Processing Controller(referred to as “L22 Modem” also)
- TTU22 Diginext L22 Terminal Transportable Unit
- UI User Interface (referred to as “HMI” also)
- UUT Unit UnderTest (referred to as “L22 DLP UnderTest” also)

Link 22 Products Catalogue

- Productno.1 is**TactX2:**

Link22 Simulator, Test & Training system

- Product no.2 is **NMM22:**

Link 22 Network Monitoring & Management system

- Product no.3 is **StarlinX22:**

Link 22 Data Link Processor (DLP)

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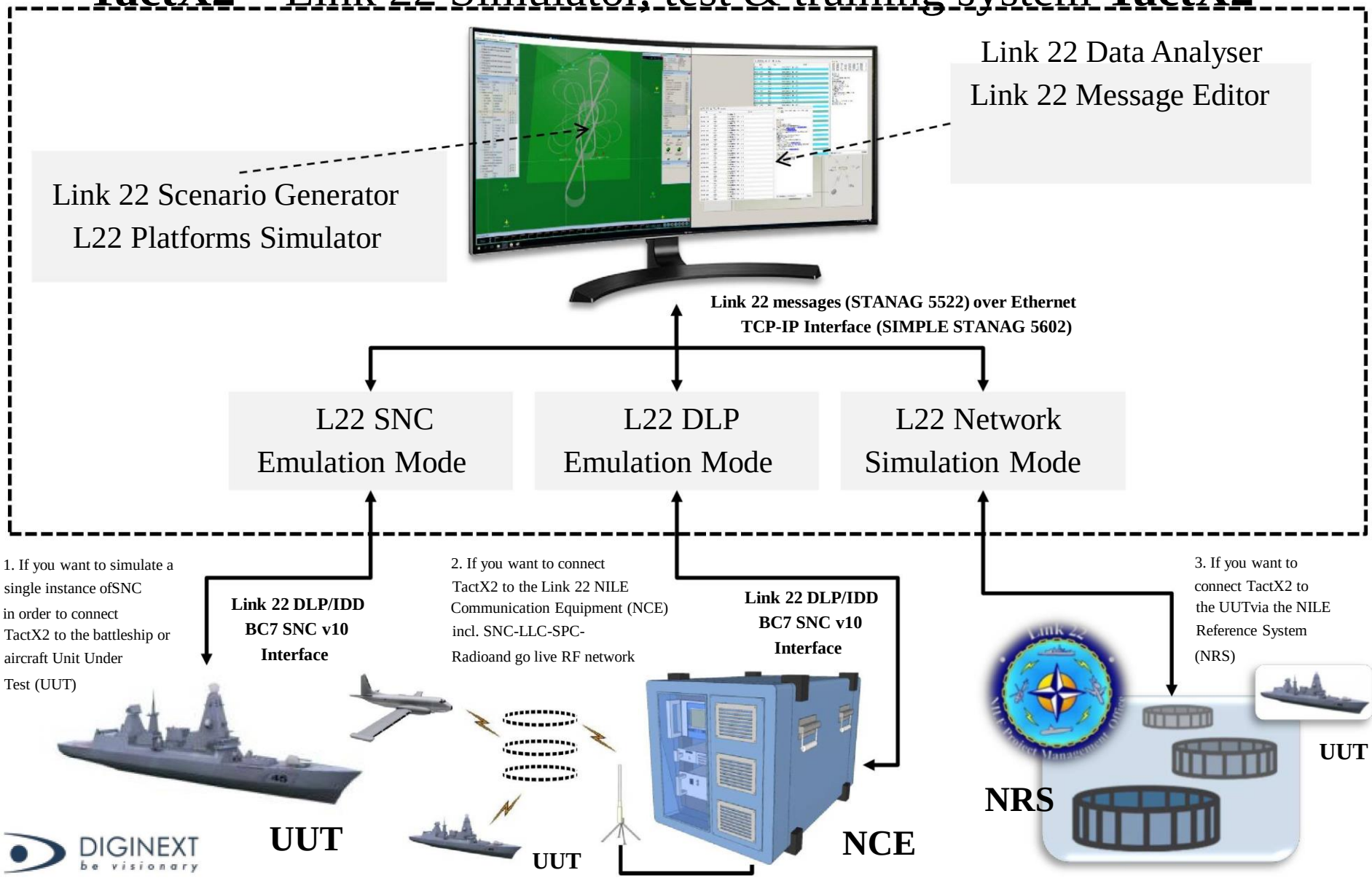
TactX2 – Link 22 Simulator, test & training system **TactX2**



TactX2 – Link 22 Simulator, test & training system

TactX2 Purpose:

 Test the UUT compliance with STANAG 5522

 Test the UUT compliance with BC7 SNC10 interface Test the UUT interoperability with other L22 platforms Train the operators to tactics and procedures with L22

TactX2 Main Capabilities:

 Generate L22 scenarios and test scripts

 Simulate L22 platforms (Air, Sea, Land)

Analyse L22 data exchange (F/FJ and SNC messages) Communicate with the UUT by using NRS components Communicate with the UUT by using a real L22 SNC

 Communicate with the UUT by simulating a L22 SNC

TactX2 – Product line

TactX2 **Base** L22 capability

Minimum configuration of product to simulate, integrate and test L22: □ L22 Scenario Generator/L22 Platforms Simulator

□ L22 Message Editor/L22 DataAnalyser

□ SNC Emulation mode

□ DLP Emulation mode

or

TactX2 **Full** L22 Capability

Maximum configuration of product to simulate, integrate and test L22:

□ L22 Scenario Generator/L22 Platforms Simulator

□ L22 Message Editor/L22 Data Analyser □ SNC Emulation mode

□ DLP Emulation mode

□ **NetworkSimulation mode**

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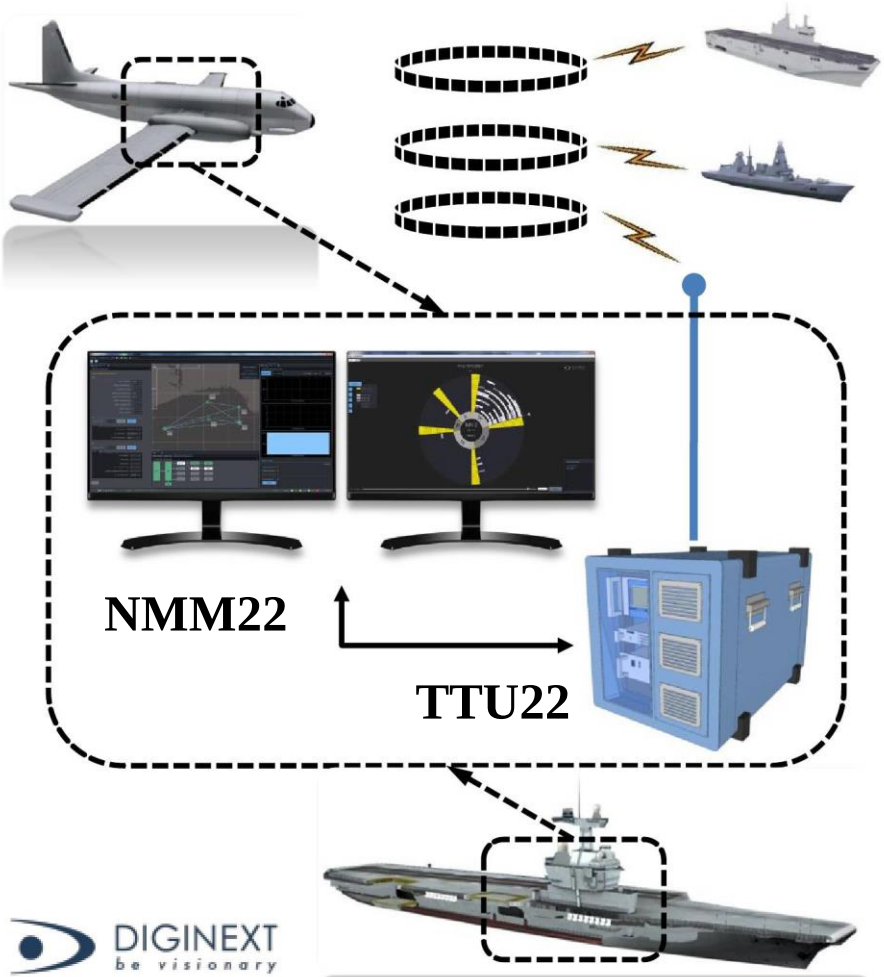
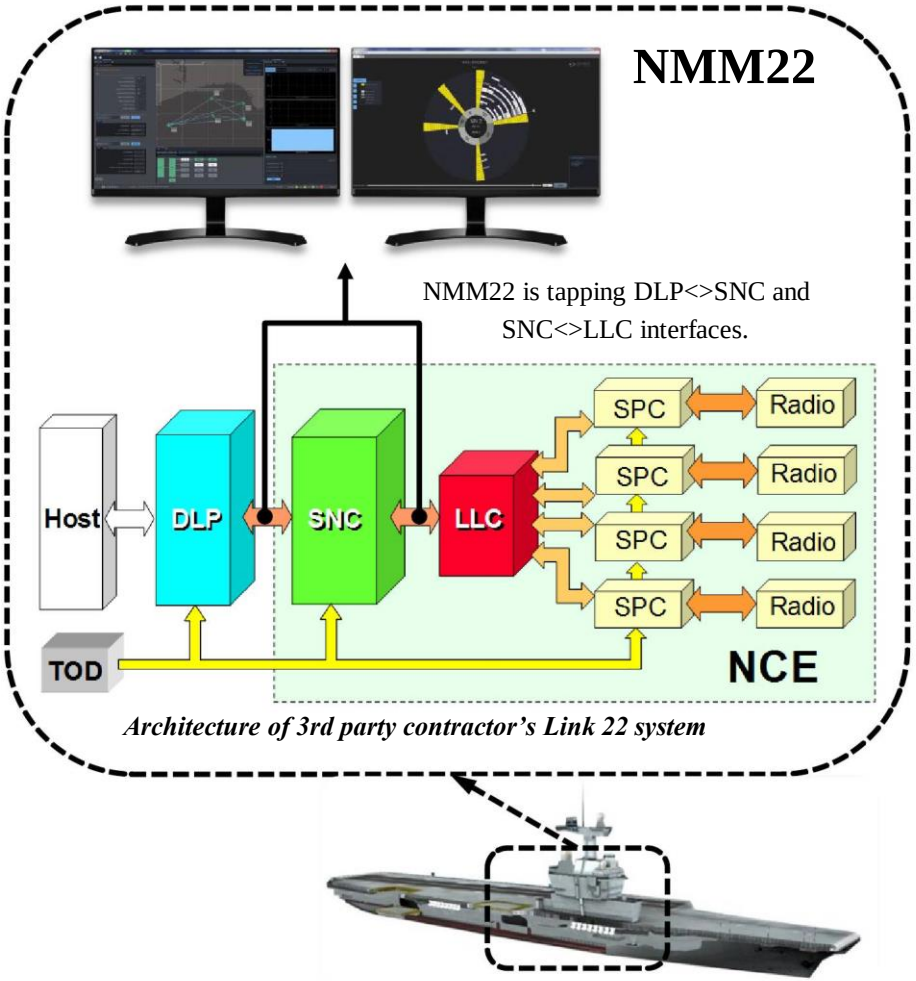
NMM22 – Link 22 Network Monitoring & Management system

NMM22 can be used **stand-alone** with own L22 communication equipments on-board or ...



... can be **integrated** and used within Link 22 system of 3rd party contractor.



Architecture of 3rd party contractor's Link 22 system

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NMM22 – Link 22 Network Monitoring & Management system

NMM22 Purpose:

 Monitor and manage operational L22 network real-time

Assess channel conditions and maintain connectivity

 Detect network issues (time synchro, wrong NCS, crypto) Optimize bandwidth utilization (relays, capacity usage)

 Support L22 integration and testing, as a tool

NMM22 Main Capabilities:

 Display NILE Unit (NU) situation (status, congestion)

 Monitor performance of Local NU (reception, bandwidth) Display Network Cycle Structure (timeslots usage)

 Perform NU, NMU, SNMU managementfunctions

NMM22 – Product line

NMM22 **Base** L22 capability

Minimum configuration ofproductto monitor and manage L22: □ Monitoring mode

□ NCS Viewer

or

NMM22 **Full** L22 Capability

Maximum configuration of product to monitor and manage L22:

□ Monitoring mode

□ NCS Viewer

□ **Management mode**

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StarlinX22

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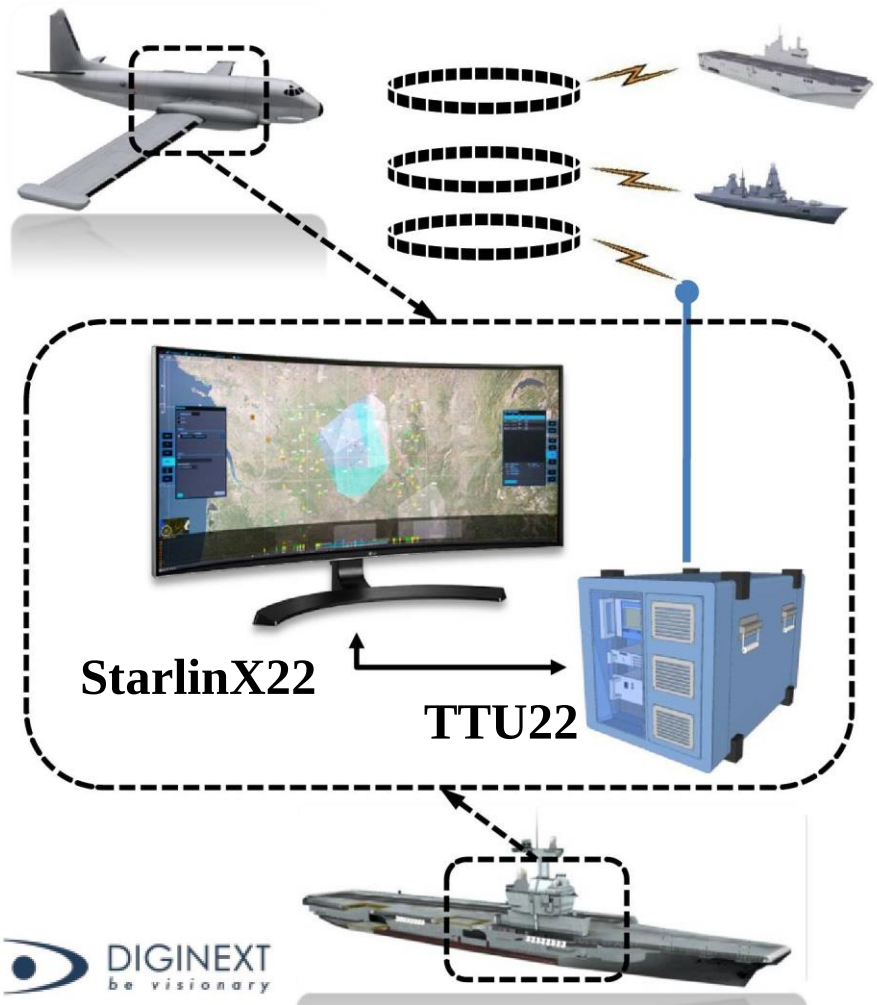
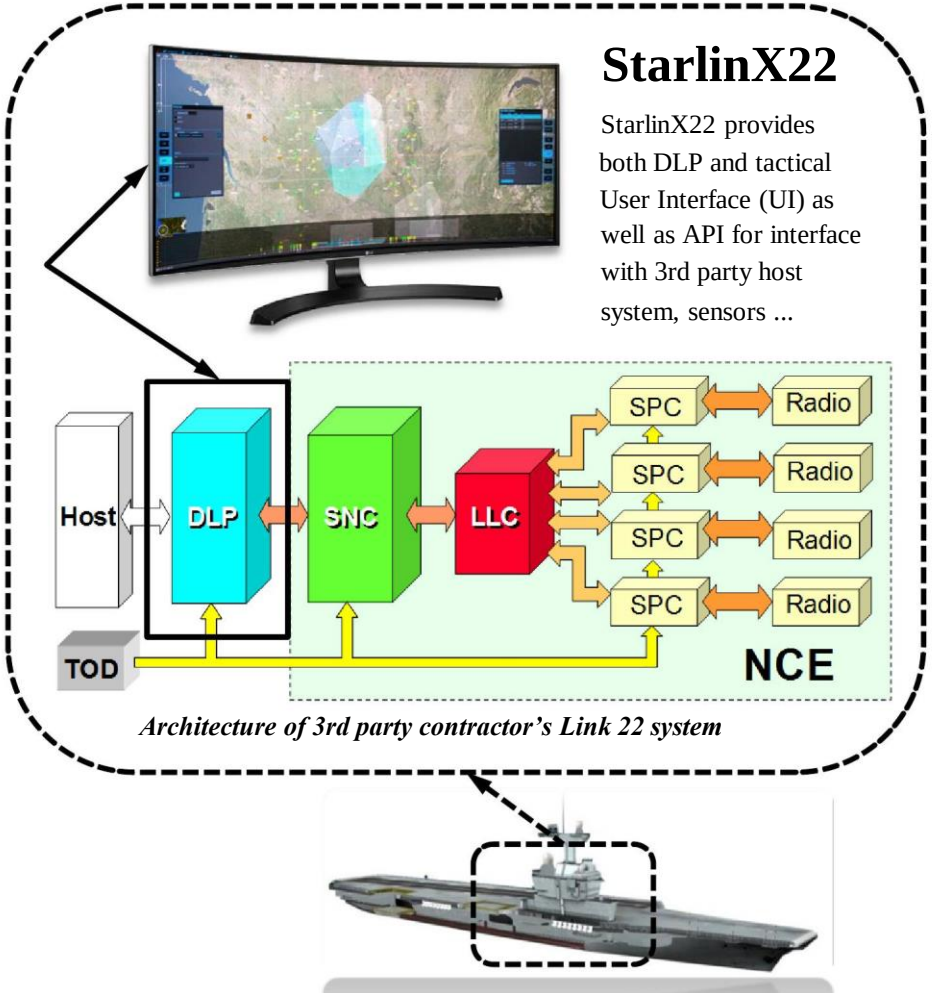
StarlinX22 – Link 22 Data Link Processor (DLP)

StarlinX22 can be used **stand-alone**with own L22 communication equipments on-board or ...



... can be **integrated** and used within Link 22 system of 3rd party contractor.



Architecture of 3rd party contractor's Link 22 system

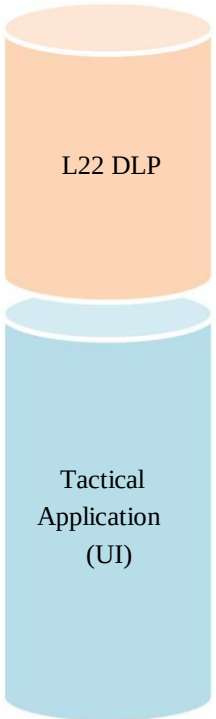
StarlinX22 – Link 22 Data Link Processor (DLP)

StarlinX22 Purpose:

- Integrate and deploy network-enabled capability through Link 22 anytime, on any platform and for any mission

StarlinX22 Main Capabilities:

- Process L22 messages as per STANAG 5522 rules
- Interface, initialize and control L22 SNC/LLC/SPC
- Interface to sensors, combat system, navigation...
- Plan mission (Optask Link Message, ATO,ACO)
- Monitor and manage the tactical picture real-time
- Command & Control (C2) weapons
- Record, replay and debrief mission



StarlinX22 – Product line

StarlinX22 **DLP** capability

Minimum configuration ofproductto integrate and operate L22: □ L22 Message Processor

□ Interfaceto L22 NCE, combat system, sensors, navigation

or

StarlinX22 **Command&Control (C2)** capability

Maximum configuration of product to integrate and operate L22: □ L22 Message Processor

□ Interfaceto L22 NCE, combat system, sensors, navigation

□ **Tactical User Interface (PLI, SURV, CMD, CTRL, EW,ASW...)**

□ **Data fusion/correlation (optional)**

□ **Rugged & deployable hardware (optional)**

Diginext Link 22 products track record

TactX2

Link 22 Simulator, test & training system

NMM22

Link 22 Network Monitoring & Management system

StarlinX22

Link 22 Data Link Processor (DLP)

Possible hardware configurations

Laptop

Rugged

Desktop

Deployable

Rackmountable

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Deliverables for product

Each product comes with everything required as "turn-key" solution:

- Software (License)
- Hardware (Workstation)
- Documentation (Manuals)
- Support (Warranty, One year)
- System installation and training (One week)