

# **Report on GN2 SA3: End to End QoS in GN2**

TF-NGN Meeting

Madrid

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## Where we are

- First meeting of the Working Group, 27 Nov
  - Well represented, including all main contributors
  - 10 sub-activities across 3 components agreed ...
- GN2 Draft Proposal
  - Objective “Enable end users to request guaranteed levels of service for some specified traffic..... “
  - Initially applied to IPv4 traffic
  - Initially 59 Man Years => After revision 30 MY
  - For equipment €30k => €550k (greater number and more varied test boxes)

# SA3 Main Components

- QoS Provisioning
- Performance Monitoring & Performance Response Team (PERT)
- Extension of basic services as a result of JRA3 findings

# QoS Provisioning Sub-Activities

- 1: Define & Establish Provisioning Team (QoS-PT)
  - Staff from DANTE and NRNs
  - First step develop manual or semi-automated PS
- 2: Develop Policy for Allocation of Premium IP
  - Technical and administrative requirements
- 3: Develop Provisioning System
  - Develop existing system=> GN1 Y4 supporting EGEE

# Performance Monitoring & PERT Sub-Activities I

## 1: Define & Establish PERT

- What? Who? How?

## 2: Develop PERT Documentation

- PERT-KB, End user guide and Best practice guide

## 3: Develop PERT Ticket System

# Performance Monitoring & PERT Sub-Activities II

## 4: Develop PERT Troubleshooting Procedures

- Initially based on experience

## 5: PERT Day to Day Operations

- Escalated by NRNs NOC

## 6: Evaluate and deploy QoS-PMS

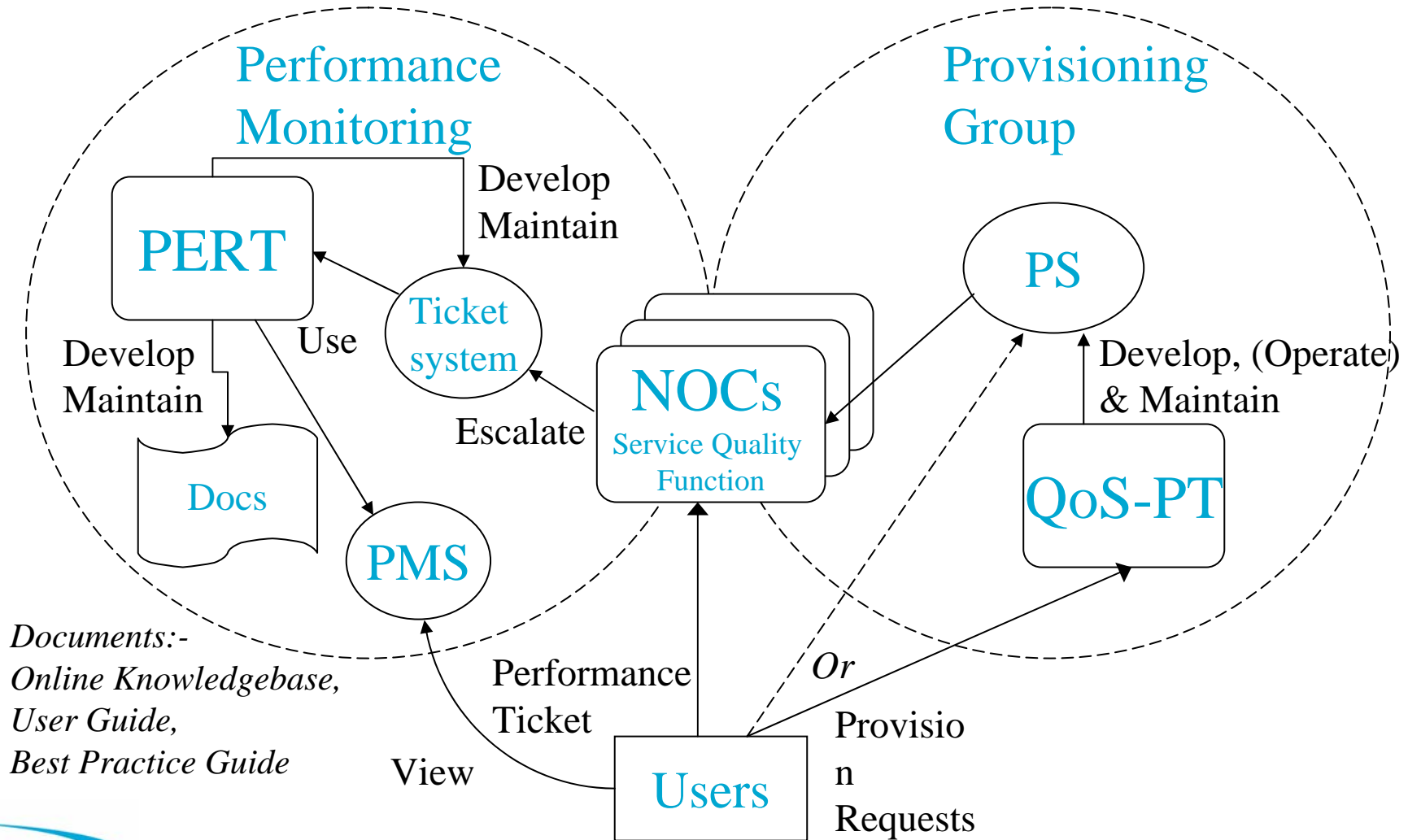
- off the shelf equipment installed in networks initially taking part in this activity
- Additional monitors to be bought by individual organisations

# Extensions to basic SA3 systems

1: Enhance systems as a result of JRA3  
findings

- Bandwidth on demand, circuit switching,  
mobility...

# Proposed SA3 Organisation



# SA3 position in GN2

