

AxoNet Software GmbH

# **Proposal 1**

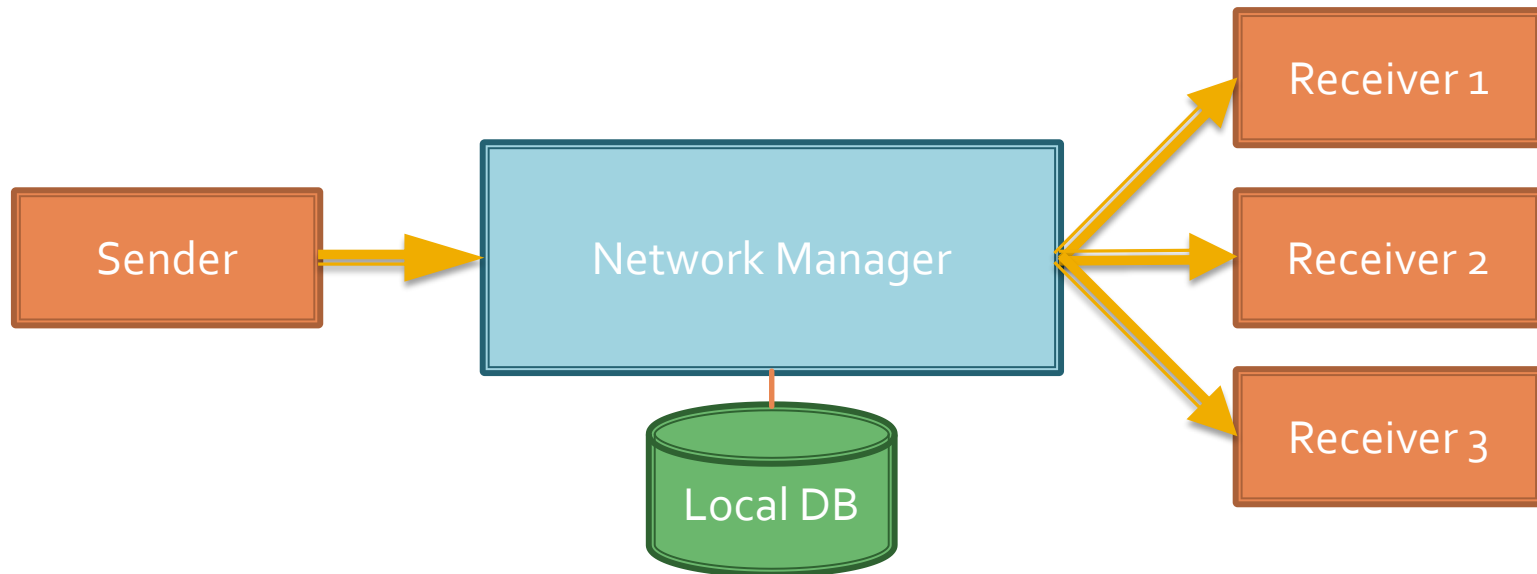
# **EGEA Net based on asanetwork**

# What is asanetwork?

- asanetwork is a communication protocol **and** a data definition
- asanetwork uses a communication server called “Network Manager”

# Data flow

- Store'n forward
- Push model



# What is a service?

- A service is a communication container with
  - properties like Name, Location or Priority
  - his **own payload** data definition
- asanetwork uses different service definitions
  - Order and vehicle data
  - Test results
  - RC, LiveStream, Setpoint data etc.

# Data definitions

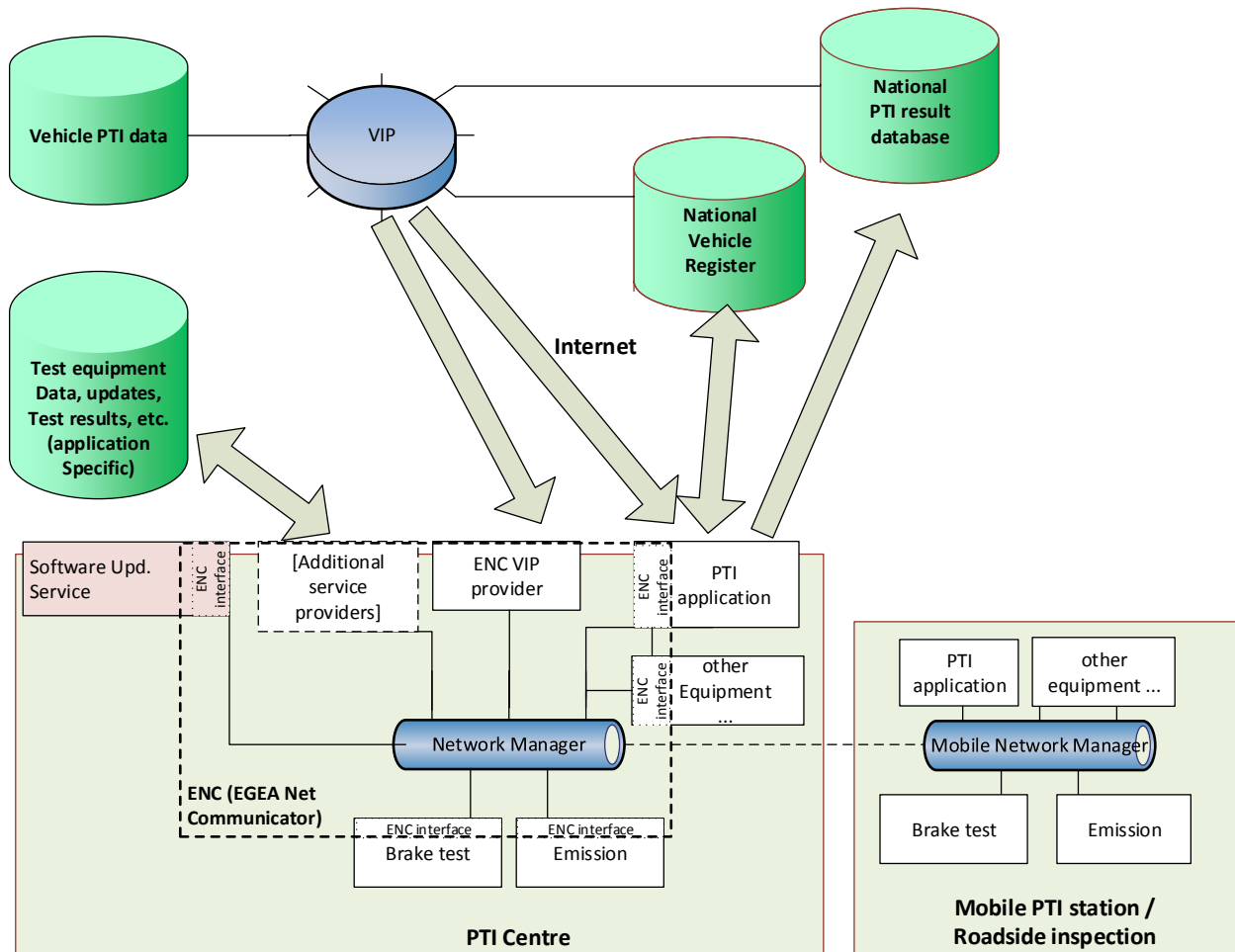
- No standard was available 1996!
- Order and vehicle data use fixed size block formats
- Result data uses XML since 2000!
- Result data definition is **publicly available since 2006** and also used by i-Shop
- All later data definitions use XML

# Infrastructure

- asanetwork does **NOT** use (and depend) on
  - File sharing
  - DNS and name resolution
  - Data base replication
- asanetwork only requires TCP/IP
  - Port 23232
  - Firewall is configured by installer

# EGEA Requirements

- asanetwork fulfills all requirements except
  - Network manager runs only on Windows platform
  - No manual acceptance of clients (license required)
  - Some data formats are fixed block size formats
- Some requirements need additional work
  - Automatic upload from mobile network manager
  - Software update service
  - Device information (inventory)
  - Trigger action (LiveStream and RC already present)





# asanetwork Strengths

- Plug'n Play
- Proven to be reliable
- Tried and tested
- Wide platform and compiler support
- Excellent tooling support
- End user diagnostic tool

# End user diagnostic

perform a quick test - asanetwork diagnostic

This window shows the results of a quick check of asanetwork functionality

Items	Result
Network Manager	
Running	on host with IP 192.168.1.1
asanetwork configuration	
Test equipment service(s)	running
Customer order system (DMS)	not running or not properly configured
Data storage service	running
Tips and notes	
101	Run your dealer management system (or asanetwork interface)
New and active orders	
New orders	314
Active orders	1
Interrupted orders	187
Finished orders	288
Error	Orders are not up-to-date, a full DMS is not running

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