NRK HD1 upgrade – summary from inspection at NRK 15th of March 2012.

Attendees: Mark Carver (Sony), Per Nielsen and Martin Hertzberg (Danmon), Per Kristiansen and Harald Halvorsen (AVIT), Kjell Karlsen and Jon-Dag Skagmo (NRK)

General

All attendees were provided with the document "NRK HD1 Inspection for upgrade 15.3.2012" and guided through the OB-van for a closer look.

The work is divided into the following main areas:

- Swap existing BFE control system to a VSM system from L-S-B
- Upgrade parts of the video router from SD to HD
- Upgrade parts of monitor walls from SD to HD
- Upgrade the IT network. Switches and PC's to be provided from NRK

From NRK's side it were utilized that the purpose for the inspection were to give possible suppliers a closer look at the van, and also to give them a possibility to discuss the planned work with NRK.

NRK pointed out their need to receive a rough cost estimate or budgetary proposal of the complete delivery before Easter 2012. This is needed to verify if the planned work is within the available budget.

The contract is planned to be put out to tender as soon as possible after Easter 2012.

The following issues were brought up during the inspection:

Removal of old cabling

NRK realize that it is not realistic to remove all unused cabling in the central cable duct. Due to the extensive amount of cable in the van NRK expect however, that unused cables in racks and cable chains shall be removed.

Commissioning

The work is scheduled to take place during 4 weeks in Sept/Oct 2012. The van is planned to be put into production immediately after. This gives little room for acceptance test and final configuration work.
To help out this situation NRK is proposing the following project plan:

Action	From	Too
Pre-configuration of the VSM control system by VSM together with NRK staff.		8.10
Installation – 3 weeks	17.9	5.10
All VSM-equipment installed and VSM-cabling finalized.	8.10	
Configuration and commissioning of the VSM control system – installation to be continued simultaneously.	8.10	15.10
Rigging, rehearsal and transmission of "TV aksjonen 2012" from Studio 2	16.10	21.10
Final installation, configuration and acceptance test	22.10	26.10

Sony MVS Control

The proposed ES-Bus control interface for Sony MVS-8000 switcher were from Danmon looked upon as a unnecessary and expensive way of controlling the switcher from VSM.
NRK's view on this matter is that the ES-Bus interface gives extended control of the switcher compared to a Comm server from VSM and 422 control.
We therefore ask the ES-bus interface to be offered, but suppliers are free to offer 422 control as an option.

Documentation

Existing dwg (AutoCad) drawings from Sony shall be updated according to the work that is being done.

NRK 23.03.2012 , Jon-Dag Skagmo