Summary of discussion about SNMP Permissions.

1. All SNMP communications will be the encrypted SNMP version 3 which will require the user name and password being stored in both the TSP and the NAS.
2. The NAS will store a list of usernames and passwords in the new xml configuration file. If a TSP or user application wishes to access the NAS via SNMP then it’s username and password must be present in the NAS’s configuration file. The usernames and passwords in the NASxml configuration file will be stored in plain text.
3. A new menu option will be added to the (SNMP) TSP to allow the user to enter the username and password. The password will need to be at least 8 characters long. The password will be encrypted and it will not be possible to be viewed by any of the TSP users. The password will encrypted and stored in the new TSP XML configuration file.
4. If the (SNMP) TSP cannot contact the NAS, possibly due to an incorrect username or password, this will be shown on the TSP screen. Chris will mock-up a screen to propose how this might be done.

XML Configuration File:

Username1 XXXXXXX

…

XML Configuration File:

Password is encrypted)

Username1 XXXXXXX

**SNMPv3**

**SNMPv3**

**SNMPv3**

**SNMPv3**

In this scenario TSP1 has access to NAS1 and NAS2 and TSP2 has access to NA2 and NAS3.

The access is granted as TSP1 has the user names and passwords for NAS1 and NAS2 and TSP2 has the user names and passwords for NAS2 and NAS3.

TSP1 cannot connected to NAS3 and TSP2 cannot connect to NAS1

XML Configuration File:

(Password is encrypted)

Username2 XXXXXXX

XML Configuration File:

Username2 password2

…

XML Configuration File:

Username1 password1

Username2 password2

…

…

**TSP 2**

**(SNMP)**

**TSP 1**

**(SNMP)**

**NAS 3**

**(SNMP)**

**NAS 2**

**(SNMP)**

**NAS 1**

**(SNMP)**

**NAS 6**

**(SNMP)**

**SNMP v1.53**

**Username6 & Password6**

**NAS 1**

**(SNMP)**

**SNMP v1,3**

**Username1 & Password1**

**TSP 1**

**(SNMP)**

**SNMP**

**Config?**

**TSP 2**

**(SNMP)**

**Config?**

**TSP 3**

**(SNMP)**

**Config?**

**TSP 4**

**(SNMP)**

**Config?**

**TSP 4**

**(SNMP)**

**Config?**

**TSP 4**

**(SNMP)**

**Config?**

**NAS 5**

**(SNMP)**

**SNMP v1,3**

**Username5 & Password5**

**NAS 4**

**(SNMP)**

**SNMP v1,3**

**Username4 & Password4**

**NAS 3**

**(SNMP)**

**SNMP v1,3**

**Username3 & Password3**

**NAS 2**

**(SNMP)**

**SNMP v1,3**

**Username2 & Password2**