1.11.4. QUALIFICATION WORK FOR THE PRE & IN SERVICE ULTRASONIC EXAMINATION OF AUXILIARY AND SECONDARY PIPING WELDS OF OLKILUOTO 3 EPR™. EXTENSION OF PRE-EXISTING QUALIFICATION ON OLKILUOTO 1&2 NUCLEAR POWER PLANTS

Ruha M., "Inspecta Oy", Espoo, Finland;
Tanguy J., "Supply Chain Quality Management",
AREVA Nuclear Power, Paris, France;
Ukkonen P., "Inspecta Oy", Espoo, Finland;
Tchilian J.M., "Supply Chain Quality Management",
AREVA Nuclear Power, Paris, France

The EPR™ is being built on the site of Olkiluoto (Finland).

The Finnish regulations impose that the Pre-Service and In-Service Inspections of auxiliary and secondary piping performed with ultrasonic (UT) shall be qualified according to YVL-guide 3.8, which refers to ENIQ Recommended Practices for qualification.

To guide the practical qualification work based on Finnish regulations more detailed guidelines (SP rules) have been produced by Inspecta Certification in collaboration with STUK, Licensees and Inspection Vendors. One of them defines general principles for the extension of pre-existing qualifications.

This paper aims at presenting the results of qualification work performed on UT inspection of auxiliary and secondary piping where these principles of extension have been applied by reference to the qualification pre-existing and applicable to the nuclear power plants of Olkiluoto 1 & 2.

Inspecta Oy, acting as a NDT services company, is in charge of this work, in collaboration with the "NDT sub division" of the "Supply Chain Quality Management" department of AREVA NP. Inspecta Certification, as Qualification Body, has supervised all the qualification steps and finally issued the qualification certificate.

UT acquisition and analysis tools based on phased arrays technology are used.