BARREL MODULE PRODUCTION

SITE QUALIFICATION: UK-BARREL

Barrel Module Assembly Site Qualification Procedures and Criteria

1. Named Personnel

(a) A Cluster Responsible Person
(b) A Cluster Quality Control Person
(c) A qualified team of assembly, metrology and electrical test staff

Site	Cluster Responsible	Cluster QC Responsible
UK BARREL	Tony Carter	Dave Charlton

2. Steps to have been completed

(a) Production of at least 5 electrical modules, satisfying every aspect of the electrical and mechanical specifications listed in SCT-BM-FDR4 and SCT-BM-FDR7, from a starting date to be agreed by the Module Co-ordinators for each site.
(b) Yield: no more than one failed module to have been part of the qualifying series.
(c) At least two modules to have been exchanged between pairs of sites to verify metrology and electrical measurements

3. Documentation

(a) Sufficient documentation and manuals for operator use in assembly and test
(b) Agreed batch-traveller procedure for module production and test
(c) Procedure in place for component accountability and yield statistics
(d) All results visible to all barrel sites (through the database?)

4. Required Facilities

(a) Inert gas storage for components and completed modules
(b) Appropriate glue storage
(c) Clean room for module assembly equipped with all necessary wire bonding, module assembly station, glue dispensing, metrology station
(d) Commissioned jigging for all processes in (c)
(e) Database terminal and barcode reader
(f) Hardware and software for module QA as listed in SCT-BM-FDR7
(g) Necessary insurance cover for components and modules