



2 April 2013  
(amended 4 October 2013)

To whom it may concern,

**Re: Acceptance Testing and LTQ Reporting for Mesh Products**

To provide clarity to all ACRS certified manufacturers and suppliers of steel reinforcing mesh to AS/NZS 4671, ACRS is issuing this public statement of the requirements of AS/NZS 4671 and verification by ACRS of the data from mandatory materials testing undertaken by each manufacturer, or by the supplier where the manufacturer's conforming data is unavailable or inadequate.

For each batch of mesh sold as complying with AS/NZS 4671 there must be a conforming set of test results (Clause 8).

AS/NZS 4671 (Paragraph B1.3.1) defines a batch as "a quantity of reinforcing steel .... produced by essentially the same process from .... the same type of feed material, process, equipment and conditions, but not exceeding 50 t .... or 1000 sheets of mesh, whichever is the less."

AS/NZS 4671 (Paragraph B3 (c)) specifies tensile testing of two line wires and two cross wires per batch, and two weld shear tests per batch. Where the manufacturer chooses to substitute two smaller diameter wires for one larger diameter wire as permitted by, and detailed in, AS/NZS 4671 (such as in the edge saver wires in SL meshes), then an additional tensile test and weld shear test representative of the small diameter wires is required by ACRS so that the smaller wires and associated welding may be assessed and verified as conforming to the Standard.

Any batch with non-conforming test results must be retested in accordance with AS/NZS 4671 paragraph B5, and any nonconforming batches managed as instructed. Details of any rejected batches shall be reported in writing to ACRS as part of the quarterly report following incidence.

ACRS requires batch release test results to be reported to ACRS at the end of each quarter on the standard form provided by ACRS *for each product designation* (e.g. SL82, RL1018, etc).

AS/NZS 4671 (Paragraph B6.1) requires that the "test results for the material tensile parameters Re (yield strength), Agt (uniform elongation) and Rm/Re (ratio) ... be collected from the batch testing program, grouped under the same designation, and their long term characteristic values determined.... The determinations shall be made on a continual basis (but at intervals of not more than one month) covering the preceding six months test results or the last 200 consecutive test results". It is the manufacturer's responsibility to collect these data and calculate and review the characteristic values and report the collected results to ACRS. ACRS requires each report to record either the last six months tests results, or the last 200 consecutive test results, *whichever is the greater*.

To maintain ACRS certification, the batch test results for each individual batch must conform with the requirements of AS/NZS 4671 paragraph B4.1.2, and the characteristic values for each product designation must conform with the requirements of AS/NZS 4671 paragraph B6.3

For, and on behalf of the ACRS Audit & Assessment Committee,

Philip Sanders  
Executive Director