AWS D1.1 Interpretation

Subject: Cleaning of Completed Welds
Code Provision: Subclause 5.30.2
AWS Log: D1.1-06-I17

Inquiry:
(1) Is "brushing" intended to sweep away loose slag particles lying on the weld after slag removal, or does it mean wire brushing?
(2) Is there a requirement to remove weld smoke residues?
(3) What "other suitable means" were considered when this wording was added in D1.1:2006?
(4) Is complete removal of tightly adherent spatter required for VT?
(5) Is complete removal of tightly adherent spatter required for MT?

Response:
(1) Cleaning of completed welds is to be accomplished by any cleaning technique which prepares the surface for visual inspection or other NDT required. Contractor/fabricator determines which means and methods will achieve this result.
(2) No.
(3) See Response (1).
(4) No.
(5) No, unless it will interfere with particle mobility in the area of interest. (See ASTM E 709, referenced in AWS D1.1 Subclause 6.14.4.)