

Special Expertise Addendum

Course or Allied Service	Brief Rationale	Criteria The criteria will be relevant, objective, verifiable and reasonable.
Weld 170 Beginning Welding fundamentals of arc and oxy-acetylene welding and cutting	The welding instructor must be certified in basic arc and gas welding to verify mastery of these welding techniques, which are taught in this basic weld course	AWS certified in the following areas: SMAW 3G limited (3/8" plate 7018) Oxyacetylene welding & cutting
Weld 171.1 Advanced SMAW welding Weld 171.2 MIG & TIG welding Weld 171.3 Flux core arc welding Weld 175A Welding Technology 1 Weld 175B Welding technology 2	The welding instructor must be certified in MIG welding, FCAW welding (overhead & vertical, using NR232 and NR211 wire) in varying situations. This verification of skill level is necessary to verify that an instructor has a high enough mastery of welding to teach others to perform these welds.	AWS certified in the following areas: 1...GMAW 3G limited (3/8" plate vertical) 2...FCAW-S 3G and 4G unlimited (1" plate overhead and vertical with NR232 wire) 3...FCAW-S 3G AND 4G unlimited (1" plate overhead and vertical with NR211 wire) 4...FCAW-G 3G and 4G unlimited (1" plate overhead and vertical) 5...SMAW 3G and 4G unlimited (1" plate overhead and vertical)