

Changes to PSL Requirements in API 5CT, 11th Edition

The PSL structure was removed in the 11th edition; related requirements were incorporated into the main text, moved to SRs, or removed, depending on the subject.

Control topic	10th-edition position	11th-edition change and current reference	Technical document-control effect
Heat treatment Annex H - H.2	PSL control; supplementary provision in Annex H	Incorporated into the main text 6.2.2 / 5.2.2	Delivery condition and heat-treatment cycle are controlled against the applicable clause and manufacturing records.
Straightening and process restrictions Annex H - H.3	PSL control; process restriction in Annex H	Main-text incorporation with part moved to an SR 6.3.1 / 6.3.3 / 5.3.2 + SR 42	For projects retaining tighter controls, the current clause and applicable SR must both be identified in the project documents.
Chemical composition and yield strength Annex H - H.4 / H.5	PSL control; additional limits in Annex H	Main-text incorporation with part moved to an SR 7.1 / 7.2.3 → 6.1 / 6.2.3 + SR 43	Chemistry and property limits come from the current tables and clauses; the former PSL label is not a sufficient reference.
Charpy, hardenability and SSC testing Annex H - H.6 / H.7 / H.9	PSL controls for properties and service environment	Main-text incorporation and transfer to SRs 6.3.3 + SR 44 / SR 45 / SR 46	Test temperature, acceptance criteria and the applicable SR depend on grade and service environment and are defined separately.
Internal surface, end processing and seal rings Annex H - H.8 / H.10 / H.11 / H.19	PSL controls for surface, ends and connections	Main-text incorporation with part moved to an SR 6.12 / 8.12.5 / 8.8 + SR 13	End finish, connection and sealing materials must remain traceable in the product and connection records.
Tensile frequency, hardness, ERW metallurgy, hydrotest and wall thickness Annex H - H.13 to H.17	PSL controls for testing and inspection	Main-text incorporation with part moved to SRs 10.4.3 / 9.6.4 / 9.13.4 + SR 47 / SR 49	Inspection scope and frequency derive from product type and grade and remain traceable in the ITP/MTC.
NDE of body, seam, ends and coupling stock Annex H - H.18	PSL control for nondestructive examination	Main-text incorporation with part moved to SRs 9.15.6 + SR 1 / SR 2 / SR 48	Method, sensitivity, coverage and acceptance criteria derive from grade and manufacturing route.
Items without a direct standalone PSL mapping Annex H - H.9.2 / H.12 / part of H.18.1.5	Former controls not directly continued	Removed or dependent on contractual agreement Explicit manufacturer-purchaser agreement	Where control comparable to the 10th edition is required, the requirement and acceptance criterion must be defined in the project specification.

Source / basis: API notice on removal of PSL requirements from API 5CT, 11th Edition