	Agenda Item:	**620-2067, Rev. 0**

Title:	**Alternative Ultrasonic Computer Based Data Acquisition Technique**	
Date:	11/10/2023	
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Purpose:	Address Technical Inquiry 650-2023-F1	
Source:	Spring 23 Meeting	
Revision:	0	
Impact:	Will allow more flexibility for UT in Lieu of Radiography, since current 650 and 620 Annex U only allow for Automated UT.	
Rationale:	API 650 Annex U and API 620 Annex U list the provisions for personnel testing when UT is used in Lieu of radiography. Changes will reflect current industry application.	
Proposal:	U.3.2 could be revised as follows: ***"****UT for the detection of flaws shall be performed using ~~automated~~, computer-based data acquisition techniques. Scanning shall be encoded and recorded using automated or semi-automated scanners incorporating fixed probe offsets and remote or point-of-use control. ~~except that~~ Initial scanning of adjacent base metal for flaws that can interfere with the automated examination may be performed manually. UT for sizing of flaws shall be performed as described in U.6.3.1"* U.3.4 a) should also be revised as follows: "a) For ~~automated~~ computer based scans, data shall be recorded using the same essential variables, specified value or range of values, used for the demonstration of the procedures per U.4.3" U6.3.1 Should be revised as follows: "Flaws shall be sized using ~~automated~~ computer based data acquisition techniques or by a supplemental manual technique that has been demonstrated to perform acceptable per U.4.3	