PDG Validation Matrix - PI Verification

Change Log

Template Version	Date	Changes	Notes
v01	8/7/2024	1st draft of the Conforming party and Category Matrices. Uncovered a	
v02	10/16/2024	Added Test Case Matrix sheet	

Conforming Party -->	PI Requester	PI Verification	PI Responder	PI Verification	Lookup Directory	Lookup Directory	Trade Partner using	Notes
PDG Chapter 1 Requirements and Acceptance Criteria								
REQ01 – Direct-to-replicate verification							P	
REQ02 – Unfit for distribution				P				
REQ03 – Expired Product				P				
REQ04 – Recalled Product				P				
REQ05 – Illegitimate or Stolen Product				P				
REC06 – Changes in PI status				P				
REQ07 – Verification Request message type		P						
REQ08 – ATP Possession Attestation		P						
REC09 – Self-Monitoring for Nefarious Activity		P						
REQ10 – PI Verification Response Additional Information valid values				P				
PDG Chapter 4 Requirements and Acceptance Criteria								
FR-001 – Lookup Directory maintenance			P		P	P		
FR-002 – Lookup Directory New Product Introduction					P	P		
FR-003 – Lookup Directory GTIN Maintenance					P	P		
FR-004 – Lookup Directory Interoperability					P	P		
FR-005 – Direct-to-Source verification		P		P				
HDA Requirements and Acceptance Criteria (by reference)								
REQ10 - Product Identifier Elements		P		P				
REQ11 - Request Types		P	P					
REQ12 - System Integration		P	P					
REQ13 - Single Access Point		P						
REQ14 - Web Portal Interface		P						
REQ15 - Ability to Download		P		P				
REQ16 - GS1 DataMatrix Scanning		P						
REQ17 - Manual Entry of PI		P						
REQ18 - Data Validation		P						
REQ19 - Authorized Requestors	P	P		P				
REQ20 - Verification Request Log				P				
REQ21 - Use of Connectivity Information		P						
REQ22 - Verification Request Data Formats		P		P				
REQ23 - Verification Response Data Formats		P		P				
REQ24 - Authentication and Security		P		P				
REQ25 - Synchronized Lookup Directory Access					P			
REQ26 - New GTIN					P	P		
REQ27 - GTIN Ownership Change					P			
REQ28 - Valid Responses				P				
REQ29 - Additional Status Information				P				
REQ30 - Data Formats				P				
REQ31 - Repository Not Found in Lookup Directory		P						
REQ32 - Repository Connection Exception		P						
REQ33 - VRS Service Down		P						
REQ34 - VRS Log		P		P				
REQ35 - GTIN Ownership Change								Missing Content
REQ36 - GTIN Ownership Change Approval					P	P		
REQ37 - New GTIN Owner Capability					P			
REQ38 - Lookup Directory Data						P		
REQ39 - Responder's Connectivity Data						P		
REQ40 - Sharing Connectivity Data					P			
REQ41 - Multiple Responder Repositories for a GTIN					P	P		
REQ42 - Lookup Directory Version Control			P	P				
REQ43 - GTIN Owner and Lookup Directory Updates					P			
REQ44 - System Interfaces for Responders					P	P		
REQ45 - Responder Access Point	P							
REQ46 - Responder Authorization				P				Conforming Party error
REQ47 - GTIN Record Download					P			
REQ48 - GTINS and GCPs					P			
REQ49 - GTIN Ownership Transfer					P	P		
REQ50 - GTIN Owner Permission					P			
REQ51 - Responder Selection Criteria for Matches				P				
REQ52 - Expiration Date				P				Conforming Party error
REQ53 - PI Repository Accessibility				P				Conforming Party error
REQ54 - Response Return Performance				P				
REQ55 - System Availability and Maintenance		P		P	P	P		
REQ56 - Secure Delivery of Requests and Responses		P		P	P	P		
REQ57 - Resolution of Connectivity Issues				P				
REQ58 - Issue Resolution Services				P				
REQ59 - Access to Transactions		P		P				
REQ60 - Lookup Directory Change Log					P	P		
REQ61 - Lookup Directory Responder Authentication					P			

PDG Validation Matrix - PI Verification
Conforming Party vs Requirements and Acceptance Criteria

Category -->	Connectivity	PI Request	PI Response	Lookup Directory	Exceptions	Authentication &	Verification against	Notes
PDG Chapter 1 Requirements and Acceptance Criteria								
REQ01 – Direct-to-replicate verification							P	
REQ02 – Unfit for distribution			P					
REQ03 – Expired Product			P					
REQ04 – Recalled Product			P					
REQ05 – Illegitimate or Stolen Product			P					
REC06 – Changes in PI status			P					
REQ07 – Verification Request message type		P						
REQ08 – ATP Possession Attestation		P						
REC09 – Self-Monitoring for Nefarious Activity						P		
REQ10 – PI Verification Response Additional Information valid values			P					
PDG Chapter 4 Requirements and Acceptance Criteria								
FR-001 – Lookup Directory maintenance				P				
FR-002 – Lookup Directory New Product Introduction				P				
FR-003 – Lookup Directory GTIN Maintenance				P				
FR-004 – Lookup Directory Interoperability				P				
FR-005 – Direct-to-Source verification		P	P					
HDA Requirements and Acceptance Criteria (by reference)								
REQ10 - Product Identifier Elements		P	P					
REQ11 - Request Types		P	P					
REQ12 - System Integration	P							
REQ13 - Single Access Point		P						
REQ14 - Web Portal Interface		P						
REQ15 - Ability to Download		P	P					
REQ16 - GS1 DataMatrix Scanning		P						
REQ17 - Manual Entry of PI		P						
REQ18 - Data Validation		P	P					
REQ19 - Authorized Requestors						P		
REQ20 - Verification Request Log			P					
REQ21 - Use of Connectivity Information	P							
REQ22 - Verification Request Data Formats		P						
REQ23 - Verification Response Data Formats			P					
REQ24 - Authentication and Security	P							
REQ25 - Synchronized Lookup Directory Access				P				
REQ26 - New GTIN				P				
REQ27 - GTIN Ownership Change				P				
REQ28 - Valid Responses			P					
REQ29 - Additional Status Information			P					
REQ30 - Data Formats			P					
REQ31 - Repository Not Found in Lookup Directory		P						
REQ32 - Repository Connection Exception		P						
REQ33 - VRS Service Down		P						
REQ34 - VRS Log		P	P					
REQ35 - GTIN Ownership Change								Missing Content
REQ36 - GTIN Ownership Change Approval				P				
REQ37 - New GTIN Owner Capability				P				
REQ38 - Lookup Directory Data				P				
REQ39 - Responder's Connectivity Data				P				
REQ40 - Sharing Connectivity Data				P				
REQ41 - Multiple Responder Repositories for a GTIN				P				
REQ42 - Lookup Directory Version Control	P			P				
REQ43 - GTIN Owner and Lookup Directory Updates				P				
REQ44 - System Interfaces for Responders				P				
REQ45 - Responder Access Point		P						
REQ46 - Responder Authorization						P		
REQ47 - GTIN Record Download				P				
REQ48 - GTINS and GCPs				P				
REQ49 - GTIN Ownership Transfer				P				
REQ50 - GTIN Owner Permission				P				
REQ51 - Responder Selection Criteria for Matches			P					
REQ52 - Expiration Date			P					
REQ53 - PI Repository Accessibility	P							
REQ54 - Response Return Performance			P					
REQ55 - System Availability and Maintenance	P							
REQ56 - Secure Delivery of Requests and Responses		P	P	P				
REQ57 - Resolution of Connectivity Issues	P			P				
REQ58 - Issue Resolution Services	P							
REQ59 - Access to Transactions		P	P			P		
REQ60 - Lookup Directory Change Log				P				
REQ61 - Lookup Directory Responder Authentication				P		P		