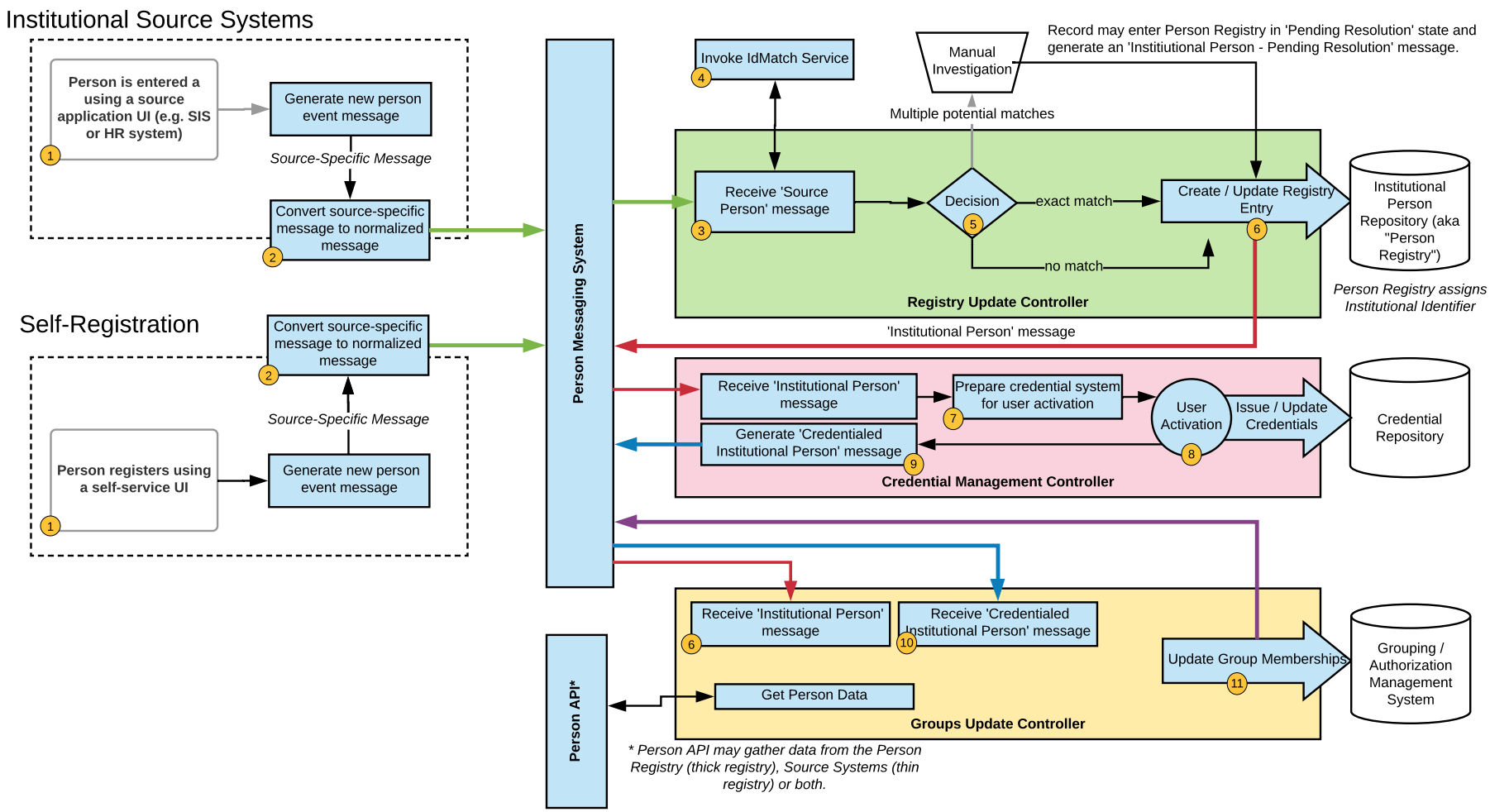
TIER ENTITY REGISTRY - IDENTITY ONBOARDING

MESSAGE FLOW



1. *Person is entered into an institutional source system or self-registers.*
2. *A system-specific connector normalizes data and sends a 'Source Added Person' message to the Person Queue.*
3. *The Person Registry receives the 'Source Added Person' message and invokes the IdMatch service to see if this is a person already known to the Registry*
4. *The IdMatch service returns match information (e.g. 'exact match', 'possible match', 'no match')*
5. *Based on the results of the IdMatch call, the Registry Update Controller will either add a new person, update an existing person, or invoke a manual review process.*
6. *Whenever a person is added / updated in the Person Registry, an 'Add / Update Institutional Person' message is generated and placed on the Person Queue. Some institutions may choose to update institutional groups at this time, so the Groups Update Controller may act on this message.*
7. *The Credential Management Controller receives the 'Institutional Person' message and prepares the credentialing system for the user to activate or register a credential.*
8. *The user activates or registers a credential using the institution's activation process*
9. *The Credential Management Controller generates a 'Credentialed Institutional Person' message to inform systems that the user has been assigned a credential.*
10. *The Groups Update Controller receives an 'Institutional Person - Credentialed' message and gathers information about the person via the Person API*
11. *The Groups Update Controller uses data from the Person API to update data-driven group memberships within the grouping / authorization system. An 'Institutional Person - Grouped' message is added to the Person Messaging System.*

Normalized 'Source Person' message (keyed by source ID)

'Institutional Person - Complete' message (keyed by Institutional ID)

'Institutional Person - Credentialed' message (keyed by Institutional ID)

'Institutional Person - Grouped' message (keyed by Institutional ID)

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EVENT AND STATE TRANSITIONS

Event	Message Type	Person State	Message Contents	Triggered By	Consumed By
Person added or apdated in Source System	Person	Added in Source	Demographic data, source-specific role data	Source-Specific Connector	Registry Controller
Person added or updated in Entity Registry	Person	Added to Registry	Institutional identifier(s)	Entity Registry	Credential Management Controller, Group Update Controller
Person withheld from registtry pending manual resolution	Person	Held, resolution pending	Institutional identifier(s)	Credential Management Controller	Groups Update Controller, Registry Controller
Person added to registry but pending manual resulution	Person	Added, resolution pending	Institutional identifier(s)	Groups Update Controller	
Person is issued a credential	Person	Credentialed	Institutional identifier(s)		
Person's group memberships have been updated	Person	Grouped	Institutional identifier(s)		