

Textual and Network Analysis of Part 107 Waivers

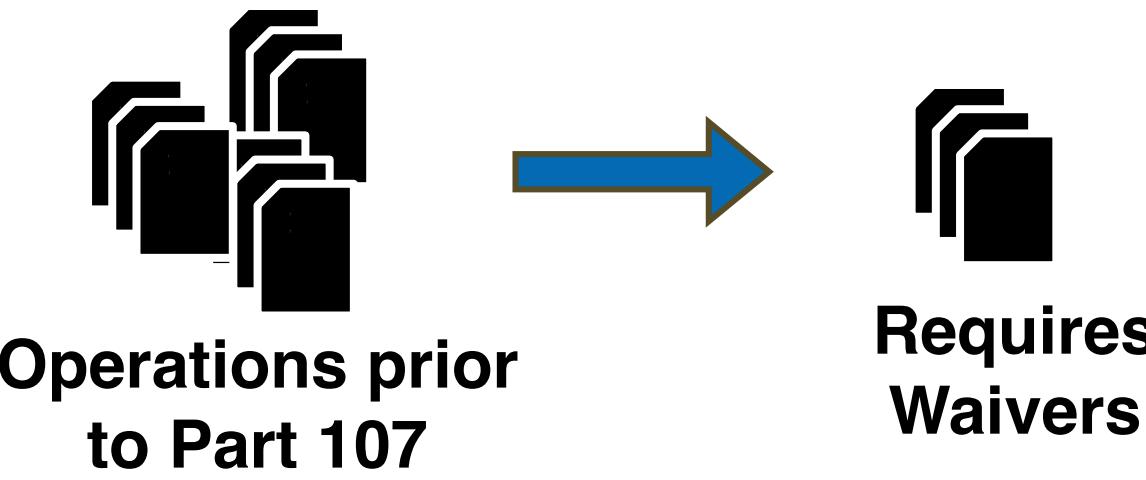
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Implementing Part 107 Provisions



Part 107 reduced the need for sUA oversight.
Waived operations still require approval.

Waivable Regulations

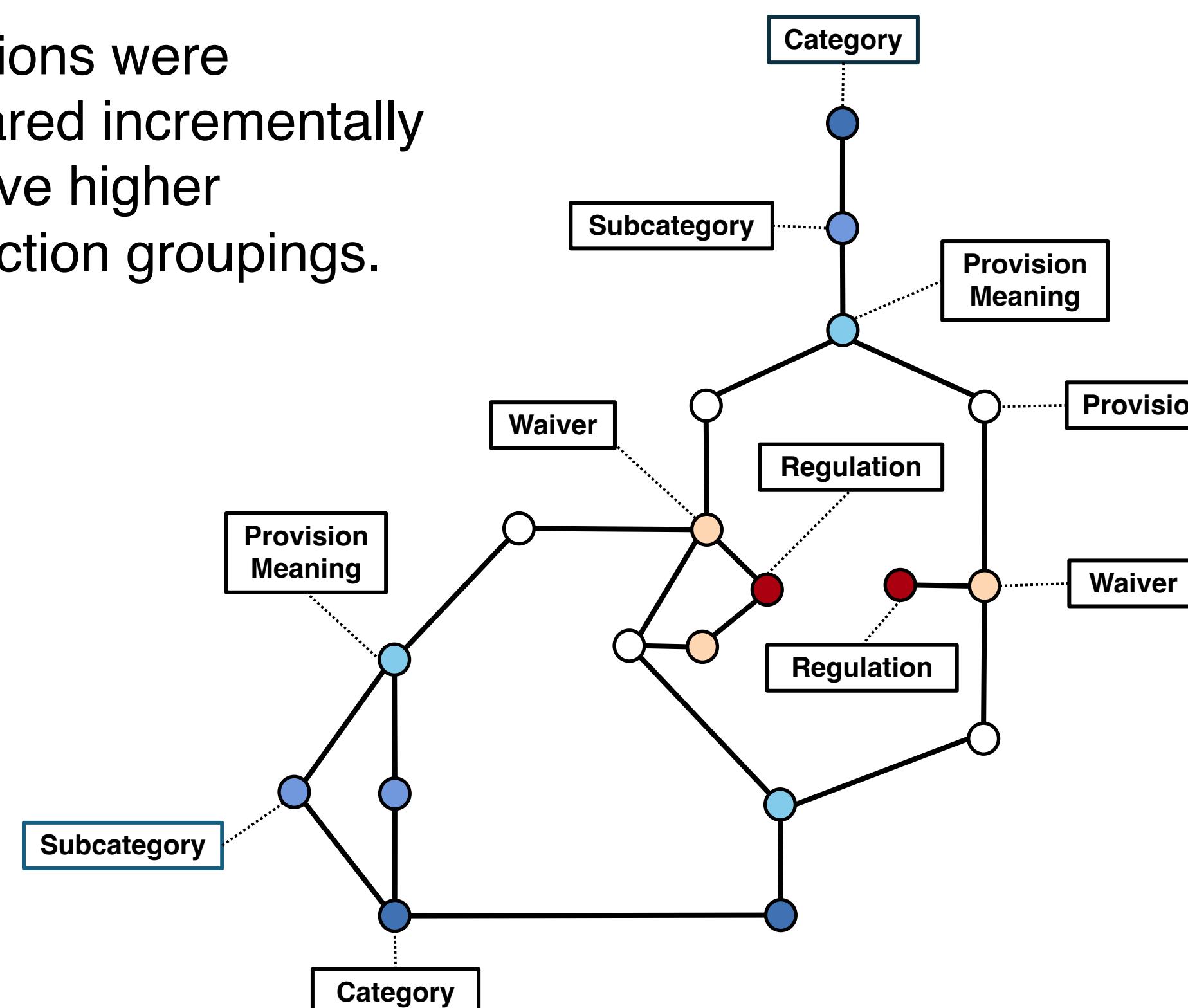
107.205 lists ten regulations that can be waived.

Regulation	Description	Waivers
107.25	Operation from a moving vehicle or aircraft	9
107.29	Anti-collision light required for operations at night and during periods of civil twilight	63
107.31	Visual line of sight aircraft operation	273
107.33	Visual observer	149
107.35	Operation of multiple small unmanned aircraft systems	141
107.37	Yielding the right of way	0
107.39	Operation over people	38
107.41	Operation in certain airspace	0
107.51	Operating limitations for small unmanned aircraft	188
107.145	Operations over moving vehicles	33

Date of Issuance: 2/6/2020-10/4/2024

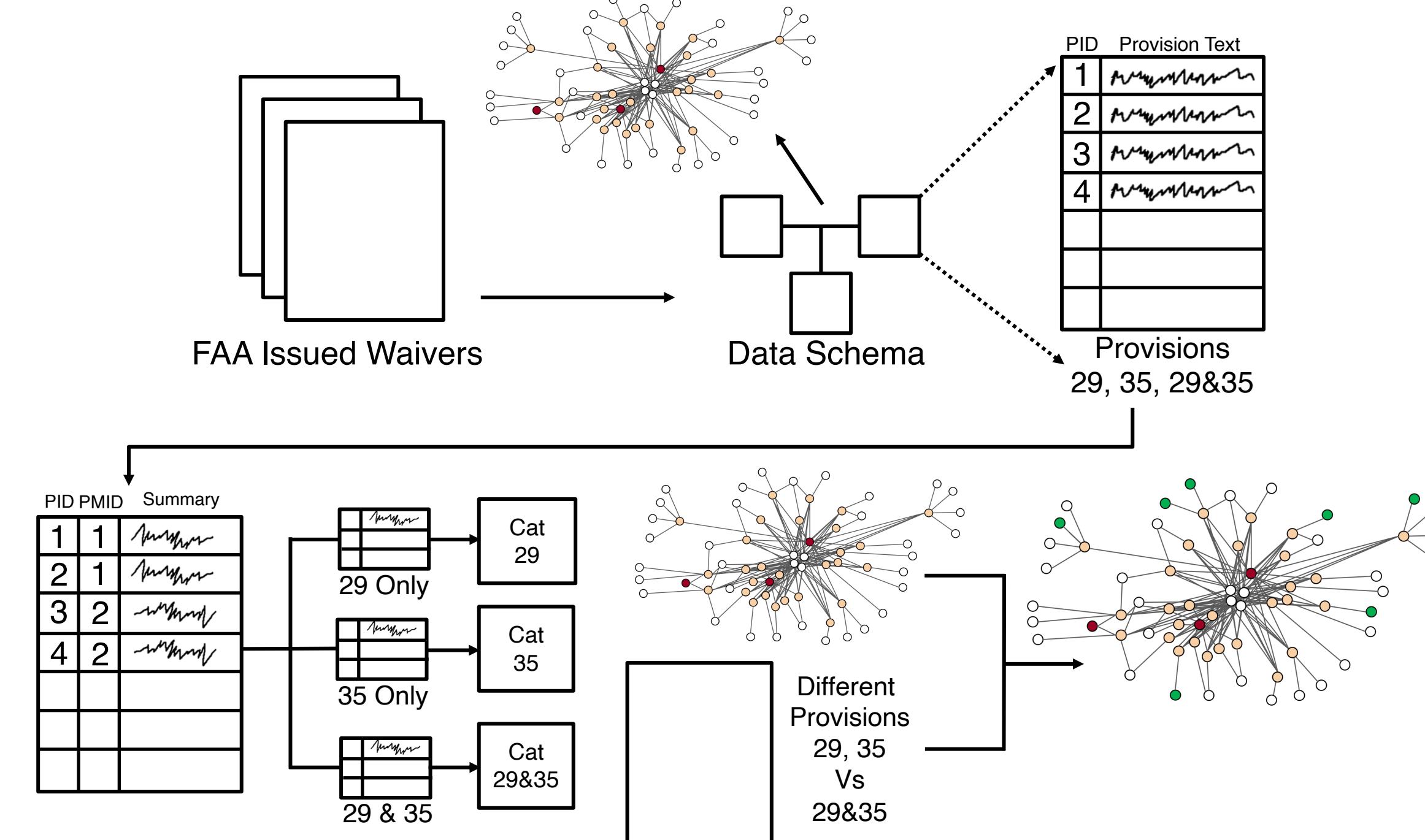
Categorization of Mitigation Concepts

Provisions were compared incrementally to derive higher abstraction groupings.

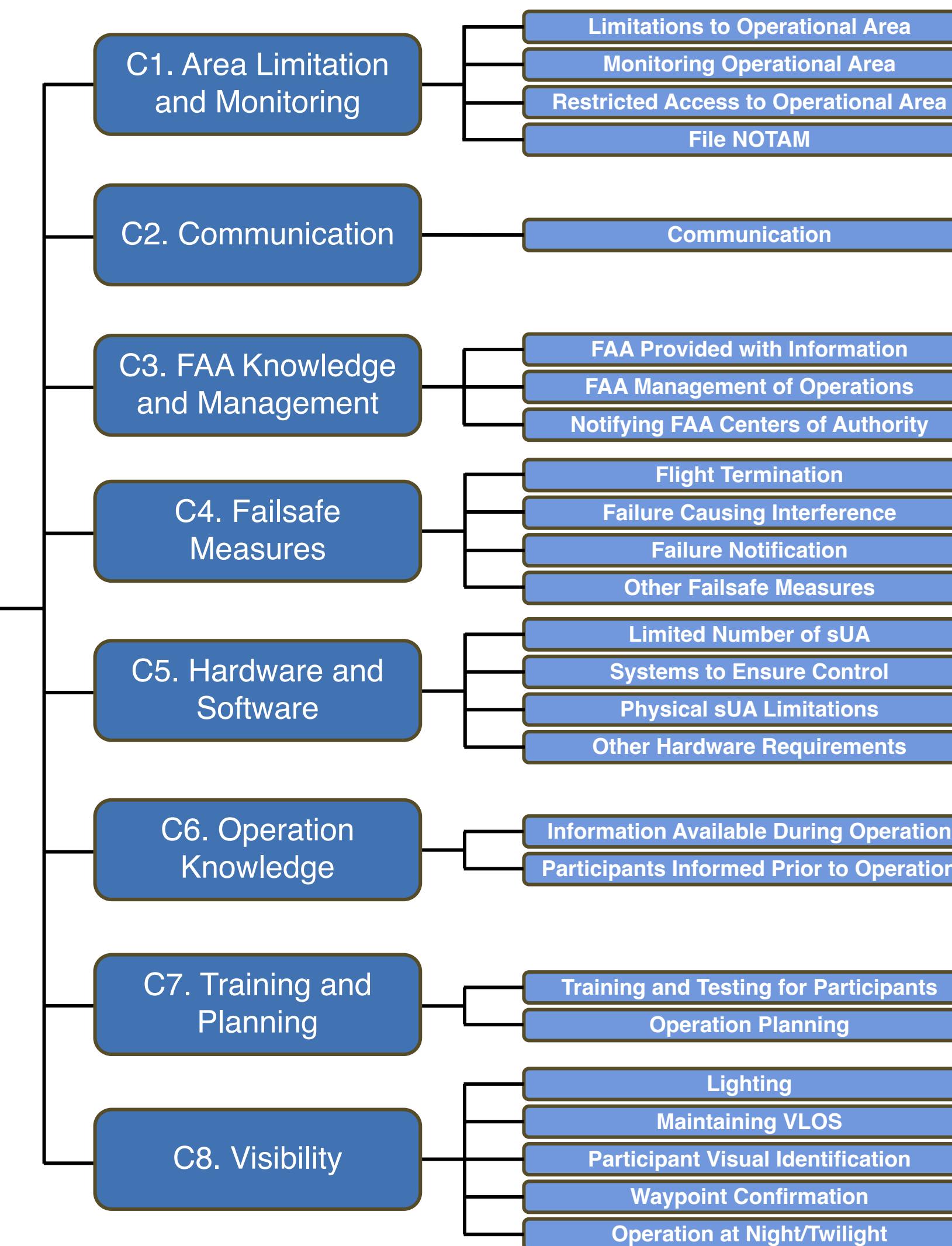


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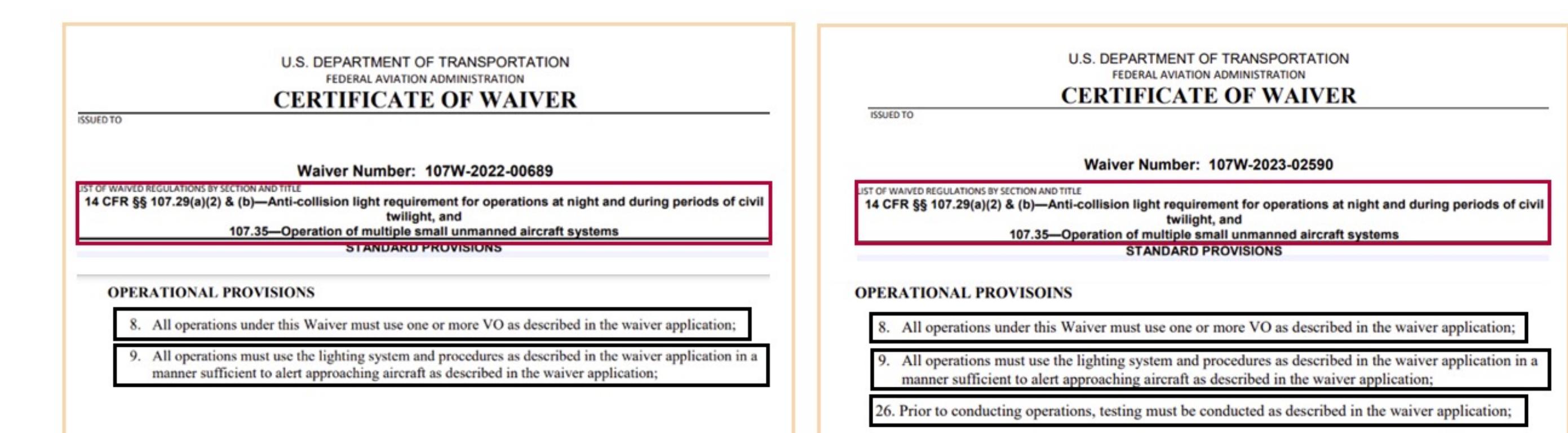
Method



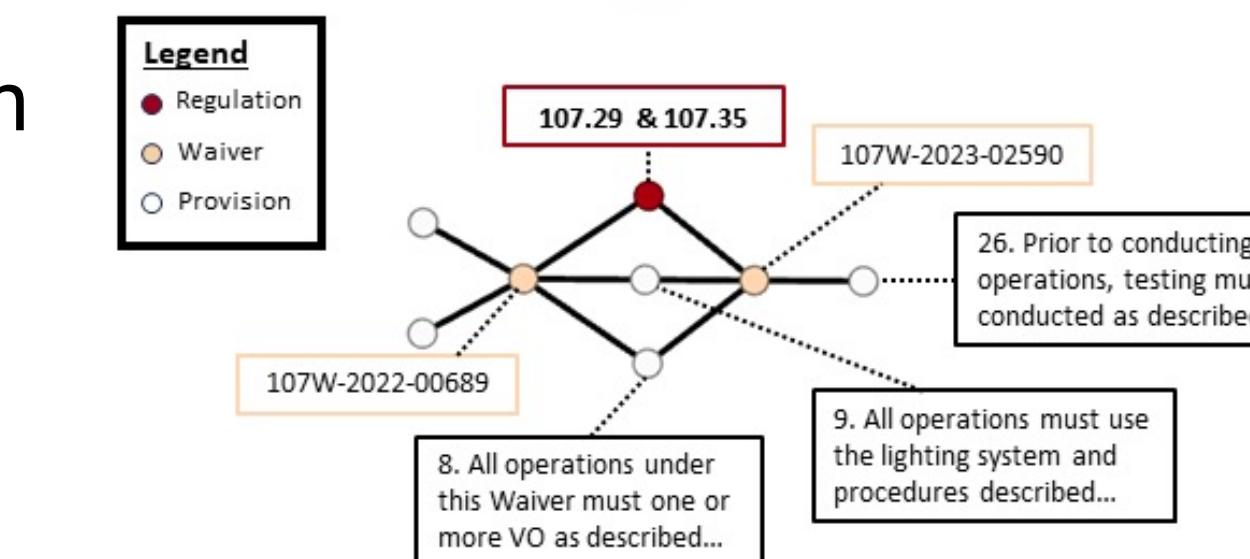
Mitigation Categories & Subcategories



From Waivers to Networks



Waivers contain provisions that determine how operations are conducted safely.



We defined a graph representation of Part 107 waivers to better understand provision reuse across waivers.

Full Network Graph for Category C3

