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Digital Emblems - Framing the Problem
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Some organizations are protected under various legal statutes
➢ Types of protection are orthogonal to this discussion
➢ “Displaying” an emblem is a necessary signal in order to garner such protections

Some organizations are required under legal statutes to display an emblem
➢ Types of legal requirements are orthogonal to this discussion

Secure, real-time signaling of protection does not currently exist
Signaling Protections

❖ Signaling protection is as important as ever, **but** physical indicators
  ➢ Are not trustworthy,
  ➢ Can’t always be recognized by systems (or people),
  ➢ Can’t be shown to have been used.

❖ And... digital assets are being relied on more and more

❖ The types of functions necessary for secure, digital emblems are also directly applicable to physical ones
Common Needs

- Real-time evaluation of authenticity
  - Trust
  - Integrity
  - Traceability

- Increased visibility/detection
  - Directly and indirectly involved observers

- Reduced risk of misuse and abuse
  - E.g., Non-repudiation

- Revocation