Digital Emblems under International Humanitarian Law

Technical Aspects

Felix Linker  felixlinker.de | x.com/felixlinker
We seek a digital equivalent to the Red Cross
A Digital Emblem should stop attacks

Use Cases:
- Constrained Devices
- Personal Devices
- Server Endpoints
- Networks

Digital Emblem requires
- respect

Digital Emblem must meet needs of verifiers

Purpose:
- Stop attack

Verifiers:
- Ransomware Gang
- Cyber Command

Digital Emblem requires
- attack digital assets
Digital Emblems: A Solvable Problem

- Put emblem where attackers look anyways
- Embed emblems in responses to queries that have plausible deniability
- Particularly challenging
- We don’t want to break things
- Requires standardization

Removable
One can remove emblem at any time

Covert Inspection
No one can tell whether emblems are inspected

Assets holders distribute emblems themselves

Distribute emblems without explicit query

Think: Verifiers don’t want to signal that they are attackers