

# DIEM

## Digital Emblems

IETF 121 (Dublin, etc...)

# Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (<https://www.ietf.org/contact/ombudsteam/>) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- <https://www.ietf.org/privacy-policy/>(Privacy Policy)



# IETF Meeting Tips

## **In-person participants**

- Make sure to sign into the session via Datatracker or the QR Code in this session.
- Use Meetecho (usually the “Meetecho lite”) client to:
  - join the mic queue
  - participate in shows of hands
- Keep audio and video off if not using the onsite version.

## **Remote participants**

- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.

# Agenda

1. Introduction [Chairs]
2. Summary of previous BoF and progress since [Chairs]
3. Perspectives on problem scope and terminology [Brian]
4. Charter discussion [Tommy]
  - <https://github.com/mstojens/diem-unified-charter/blob/main/diem-unified-charter.md>
5. BoF questions [Chairs]

# Introduction

Digital emblems is a catch-all term for mechanisms that convey information of legal, compliance, or other significance associated with an asset that need to be verified and should inform the behavior of entities validating the emblem. Several use cases for digital emblems cover emblems that already have legal definitions. This makes the entities that define acceptable forms of those emblems required stakeholders of this Working Group. Today, there exists no accepted collection of standards for issuing, applying, or validating digital emblems that need to be recognized under international law.

These use cases are specified and explored in greater detail in (<https://datatracker.ietf.org/doc/draft-haberman-digital-emblem-ps/>).

# Problem Statement

While the format of digital emblems is expected to maximize reuse of existing standards, emblem application and validation mechanisms may differ based on a number of different conditions. Discovery of the digital emblem may differ based on the type of asset being protected. Binding of a digital emblem to an asset will depend on the distribution mechanism associated with the digital emblem. Validation methods are dependent upon the criteria defined by the issuing entity. These conditions will need to be explored as a part of documenting the use cases supported by a digital emblem standard.

# Goals (1/2)

This Working Group will focus on creating new standards or defining the reuse of existing standards for issuing digital emblems, applying digital emblems to assets, and validating digital emblems. In the process, it will coordinate with other IETF Working Groups (e.g., SPICE, DRIP, SCITT, etc.) on the proper reuse of existing IETF standards. Additionally, the Working Group will liaise with external organizations responsible for defining acceptable uses of their legally defined emblems.

# Goals (2/2)

This Working Group considers the following goals in scope. The first milestone of this Working Group will be to (1) gain consensus with entities responsible for defining acceptable uses of their legally defined emblems on requirements and (2) based on those requirements, identify which portions of these goals require novel work and which should be given to other Working Groups that may already own related scope. Divergent requirements between such stakeholders may result in distinct units of work, but this determination is left to this first milestone of the Working Group.

- Define reusable format(s) for Digital Emblems
- Define validation mechanism(s) for Digital Emblems
- Define discovery mechanism(s) of Digital Emblems



# Deliverables

The following are proposed deliverables and their target status:

- Use cases and requirements (Informational)
- Framework (Informational) describing conceptual model of operation and key terminology
- Data model and validation (Standards Track)
- Discovery (Standards Track) (multiple)

# BoF Questions

1. Is the problem well understood?
2. Is the scope well understood?
3. Is the IETF the right place to do the work?