

On the ENUM horizon...

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ENUM Business Opportunities event

2 March 2010

Utrecht, The Netherlands

E2MD

- E2MD: E.164 To MetaData mapping
- ENUM:
 - E2U records, intended to result in communications
- E2MD
 - E2M records, intended to provide Metadata
 - Use cases are about providing further information on E.164 numbers (and corresponding subscribers)

E2MD Use Cases (1/4)

- cnam:
 - Name of calling party
- unused (void):
 - Indicator for numbers is not in use
- send-n:
 - Information about the numbering plan

E2MD Use Cases (2/4)

- Service capabilities:
 - SMS | MMS | video calls | presence | IM | ...
- Payment Type:
 - PrePaid | PostPaid | ...
- Network Type:
 - TDMA | GSM | 3G | ...

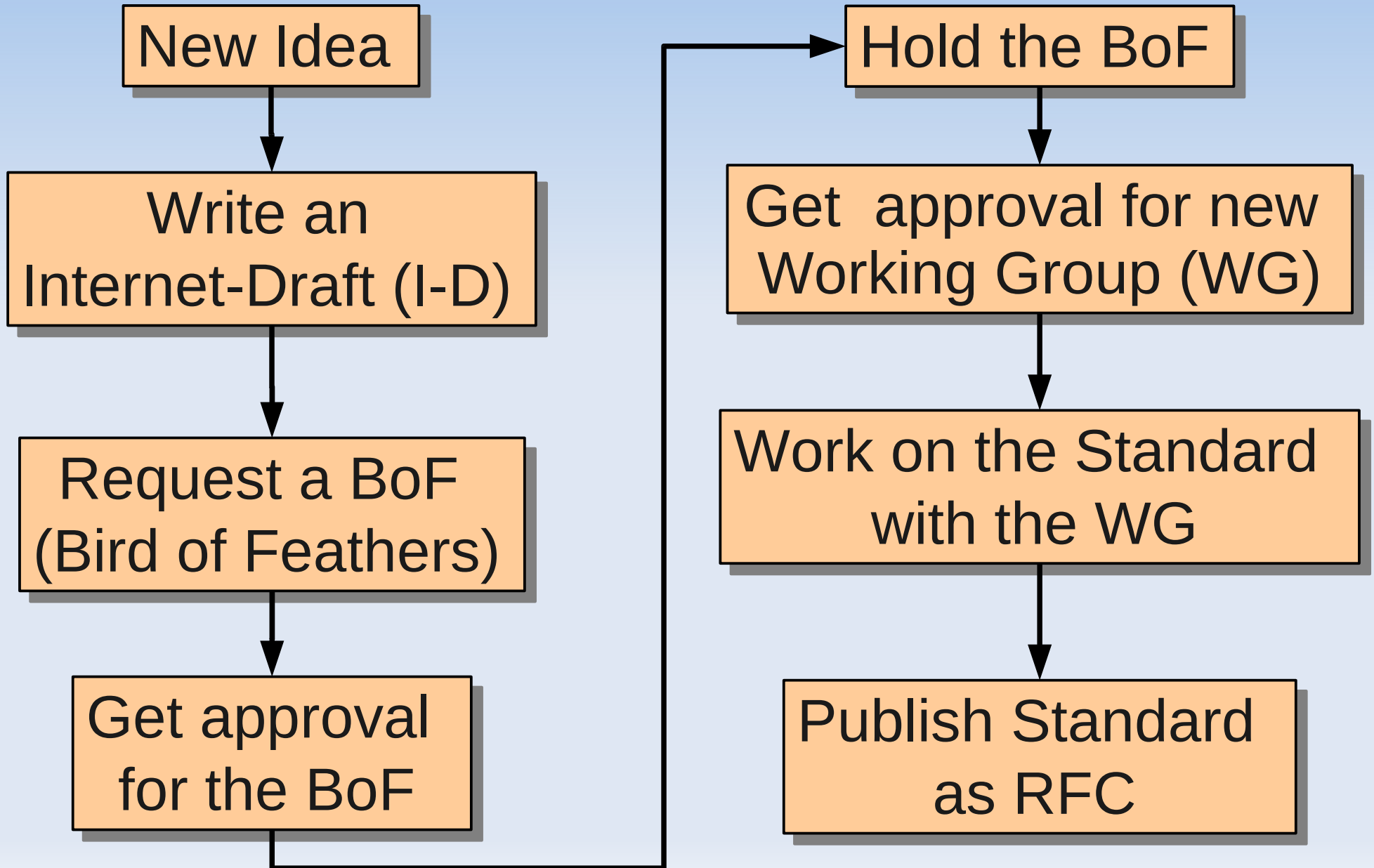
E2MD Use Cases (3/4)

- Service Provider Name / SPID:
 - Name / identifier of the current service provider
- Charging information
 - In particular useful for premium rate numbers
- Assignee address information
 - e.g. to report abuse of premium rate number

E2MD Use Cases (4/4)

- Emergency Call routing:
 - Location information
 - PSAP (Public Safety Answering Point)
- Least cost routing information
 - e.g. preferred gateway
- Region Code:
 - Numeric value indicating a region within a country

The IETF Standards Process



E2MD BoF at IETF-77, Anaheim

- E2MD BoF has been approved and will be held during IETF-77 (Anaheim, CA, USA)
 - Wed, 24 March 2010, 1510-1610 (PT)
 - Remote participation possible via jabber, audio streams and maybe WebEx
- Challenges
 - Is there a clear market need for E2MD?
 - Who will implement / use this?
 - DNS “purists” may object

Your opinion is welcome!