

M-Files

**MARID**

**at and since IETF 60**

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## MARID at IETF

- *MTA Authorization Records in DNS*
- Chaired by [Andrew Newton](#) and [Marshall T Rose](#)
- Support for anti-spam measures in and with the DNS infrastructure
- <http://www.IETF.ORG/html.charters/marid-charter.html>  
<http://www.IMC.ORG/ietf-mxcomp/index.html>
- ambitious timeline, high volume list (avg 60 mails/day)
- lots of discussion about patent claims ...
- (try to concentrate on the DNS issues)

## Basic Idea

- given a sender address (whatever that is)
- is current SMTP peer (i.e. client) is **authorized** to send that mail
- more or less needs a list of **outgoing** mail servers
- needs to address **forwarding** and **roaming**
- may need reputation service

## Basic Ideas: Examples

```
_ep.hotmail.com. 3600 TXT "<ep xmlns='http://ms.net/1'  
testing='true'><out><m>  
<indirect>list1._ep.hotmail.com</indirect>  
<indirect>list2._ep.hotmail.com</indirect>  
<indirect>list3._ep.hotmail.com</indirect>  
</m></out></ep>"
```

```
aol.com. 300 TXT "v=spf1 ip4:152.163.225.0/24  
ip4:205.188.139.0/24 ip4:205.188.144.0/24  
ip4:205.188.156.0/23 ip4:205.188.159.0/24  
ip4:64.12.136.0/23 ip4:64.12.138.0/24  
ptr:mx.aol.com ?all"
```

## Earlier decisions and developments

- Caller-ID, SPF, SenderID
- XML in TXT withdrawn
- different approaches (e.g. MTAMARK) not followed

## WG and doc status

- WG Last Call for
  - `draft-ietf-marid-core-03.txt`
  - `draft-ietf-marid-submitter-03.txt`
  - `draft-ietf-marid-protocol-02.txt`
  - `draft-ietf-marid-pra-00.txt`
- started 23-AUG-2004
- extended to 10-SEP-2004 on 03-SEP-2004
- chairs' consensus judgement on 11-SEP-2004
- new/revd docs announced 16-SEP-2004
  - `draft-ietf-marid-protocol-03.txt`
  - `draft-ietf-marid-mailfrom-00.txt`

## WG status cntd

- multiple **scopes** suggested to overcome patent problems  
     $\leadsto$  mailfrom draft
- probably no mandatory algorithm
- mail forwarding still contentious
- as well as some of the DNS issues ...

## DNS related problems/questions

- TXT vs a **dedicated** RR type (↷ paf, in a minute)
- RFC 3597 deployment, TXT based SPF deployment
- application specific **prefix**?
- **encoding** to be used for new RR type
- use and nature of **wildcards** ↷ rather basic DNS questions
- **response sizes**, EDNS
- complexity, levels of indirection, query load
- amount of data at zone apex, hierarchy
- provisioning (web interfaces, wizards)
- could/should this drive DNSSEC?



