

draft-ietf-sidrrops-
signed-tal-03

(not in last call)

Goals

- Allow RPKI Trust Anchor Key Rolls
- Learn from DNSSEC (RFC 5011)
- Soft landing into existing standards
- Leave a trail for outdated clients

Comment on -02

When is it safe to drop the old key?

Changes in -03

- Clarified phases.. I hope!
- Use distinct URIs for TA certificates in TAKs for each phase!

TAK Objects

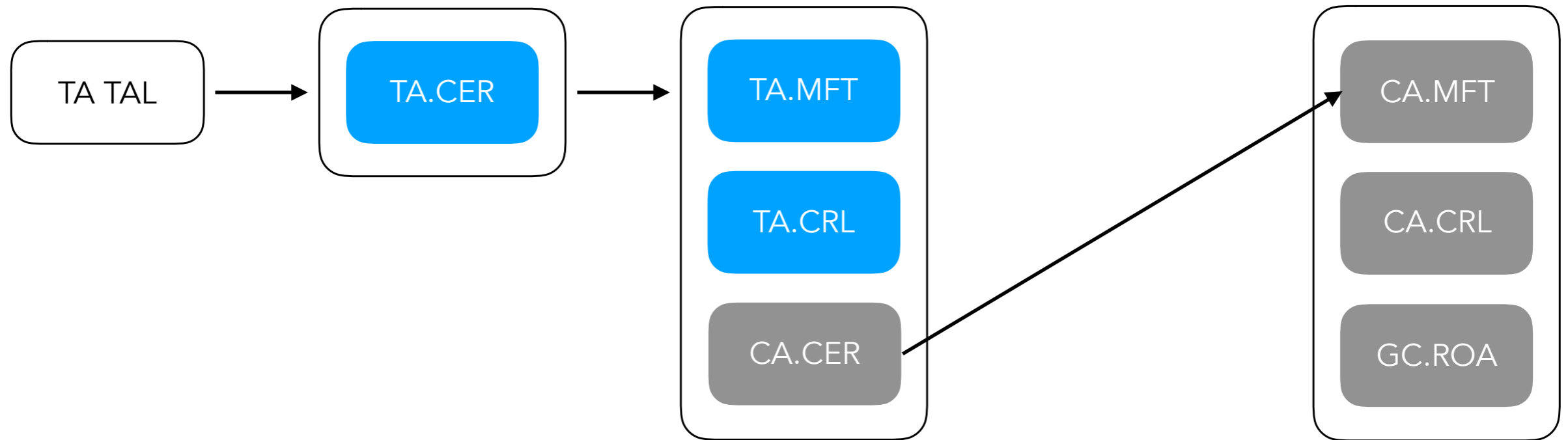
```
TAK ::= SEQUENCE {  
    version    INTEGER DEFAULT 0,  
    current    ::= SEQUENCE SIZE (1..MAX) OF CurrentKey,  
    revoked    ::= SEQUENCE OF SubjectPublicKeyInfo  
}
```

```
CurrentKey ::= SEQUENCE {  
    certificateURIs    SEQUENCE SIZE (1..MAX) OF CertificateURI,  
    subjectPublicKeyInfo SubjectPublicKeyInfo  
}
```

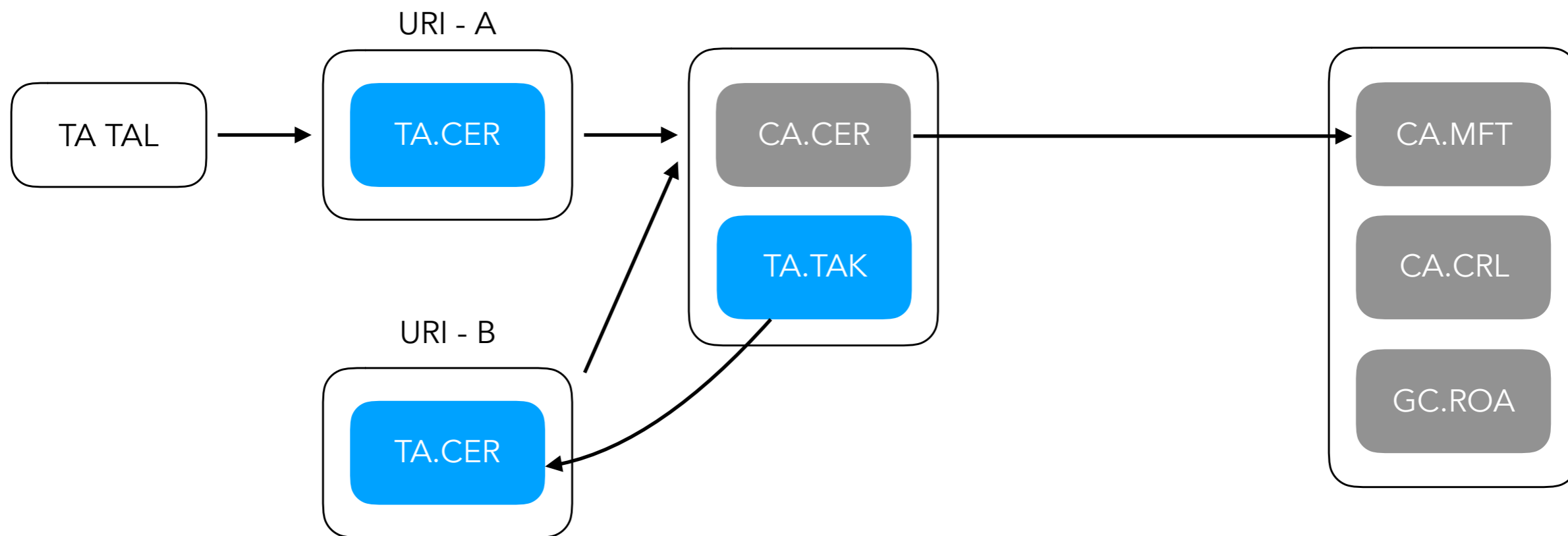
```
CertificateURI ::= IA5String
```

```
SubjectPublicKeyInfo ::= SEQUENCE {  
    algorithm        AlgorithmIdentifier,  
    subjectPublicKey  BIT STRING  
}
```

Phase 0: Current situation

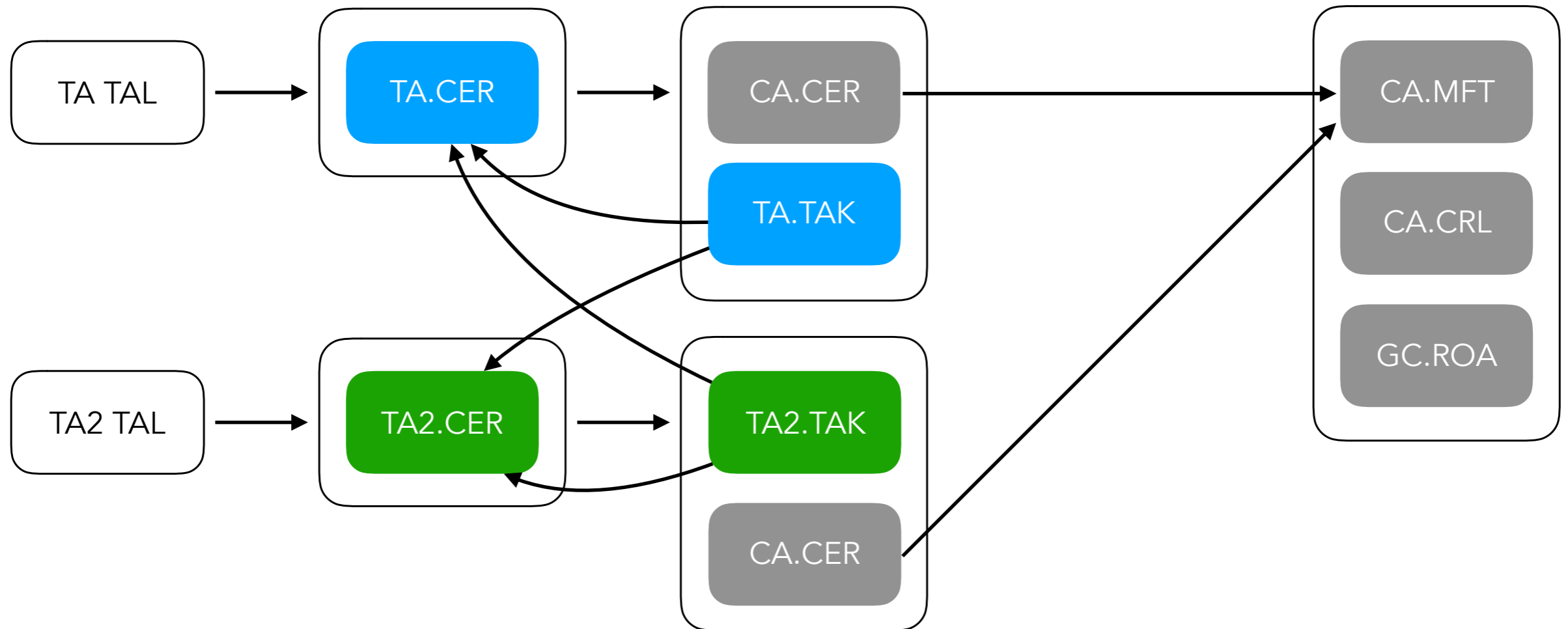


Phase 1: Add a TAK



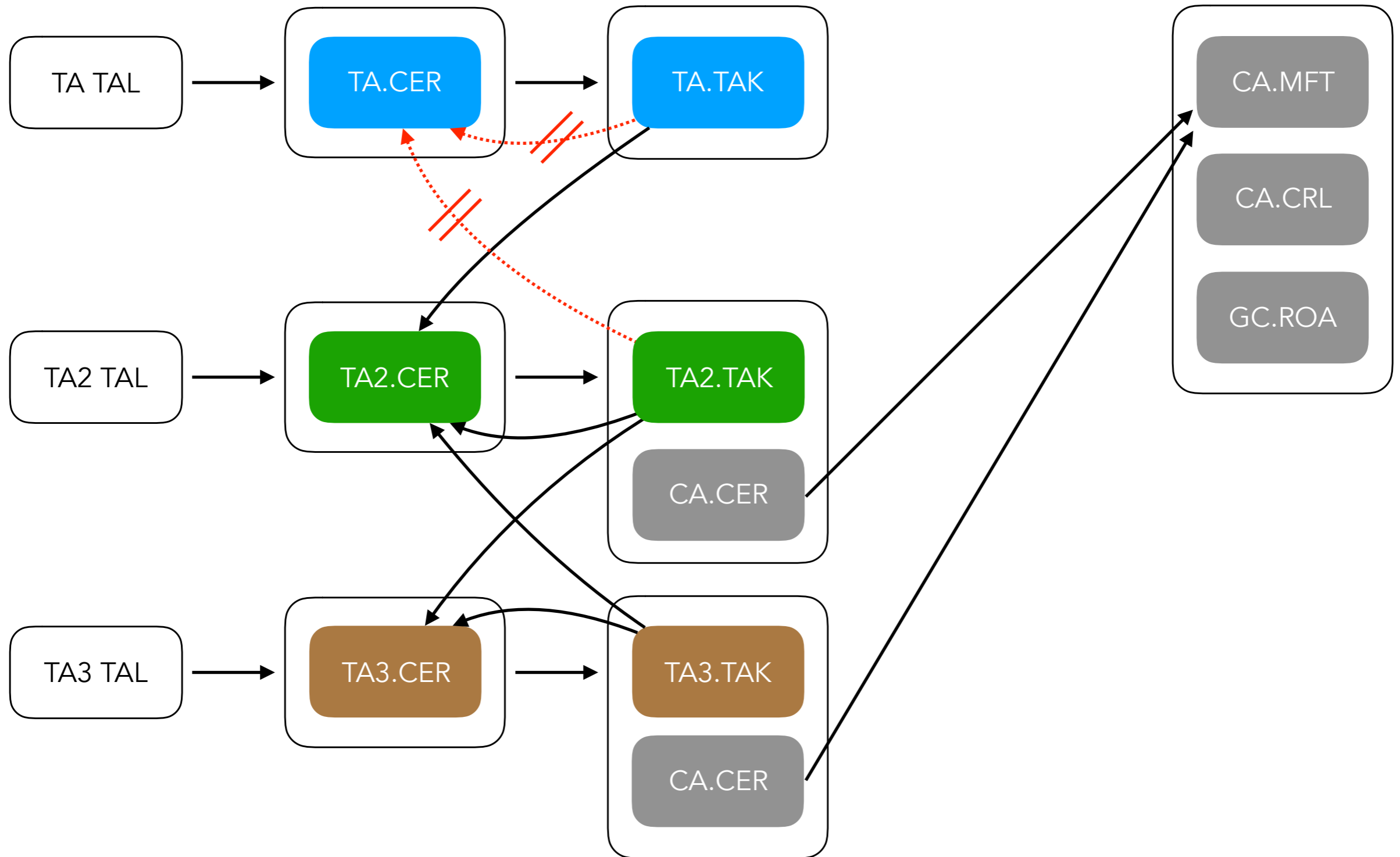
- ➔ RPs which support TAK MUST use URIs in TAK
- ➔ TA operator can monitor which proportion of RPs support

Phase 2: Add key 'B'



➔ Ship TA2 TAL with RPs, or even.. ship TA2.TAK?

Phase 3: Roll to TA 3



Next?

Concerns?

