

Entering the community using coexistence proxy

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Purpose:

Facilitate the 802.16 LE standard

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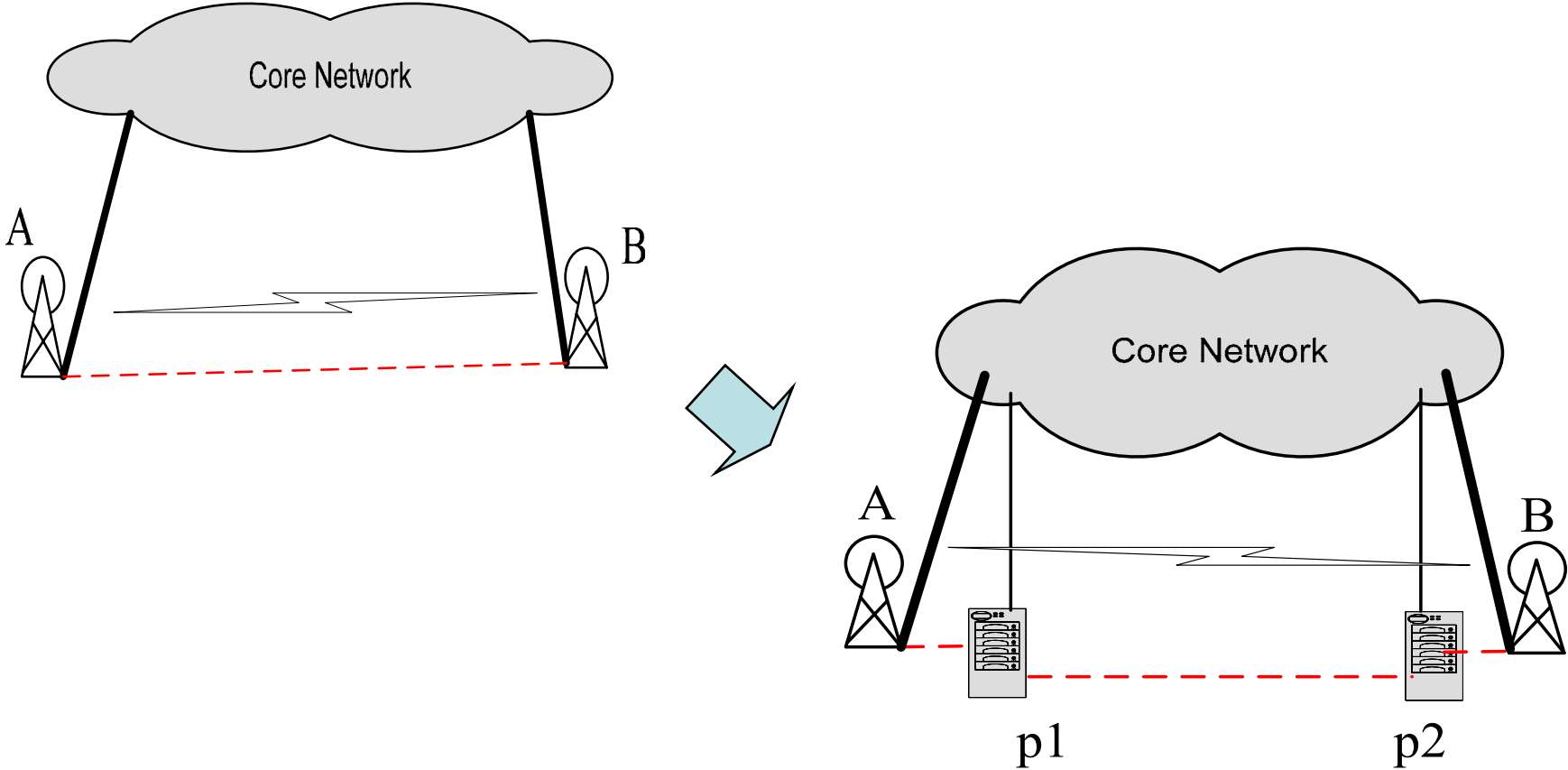
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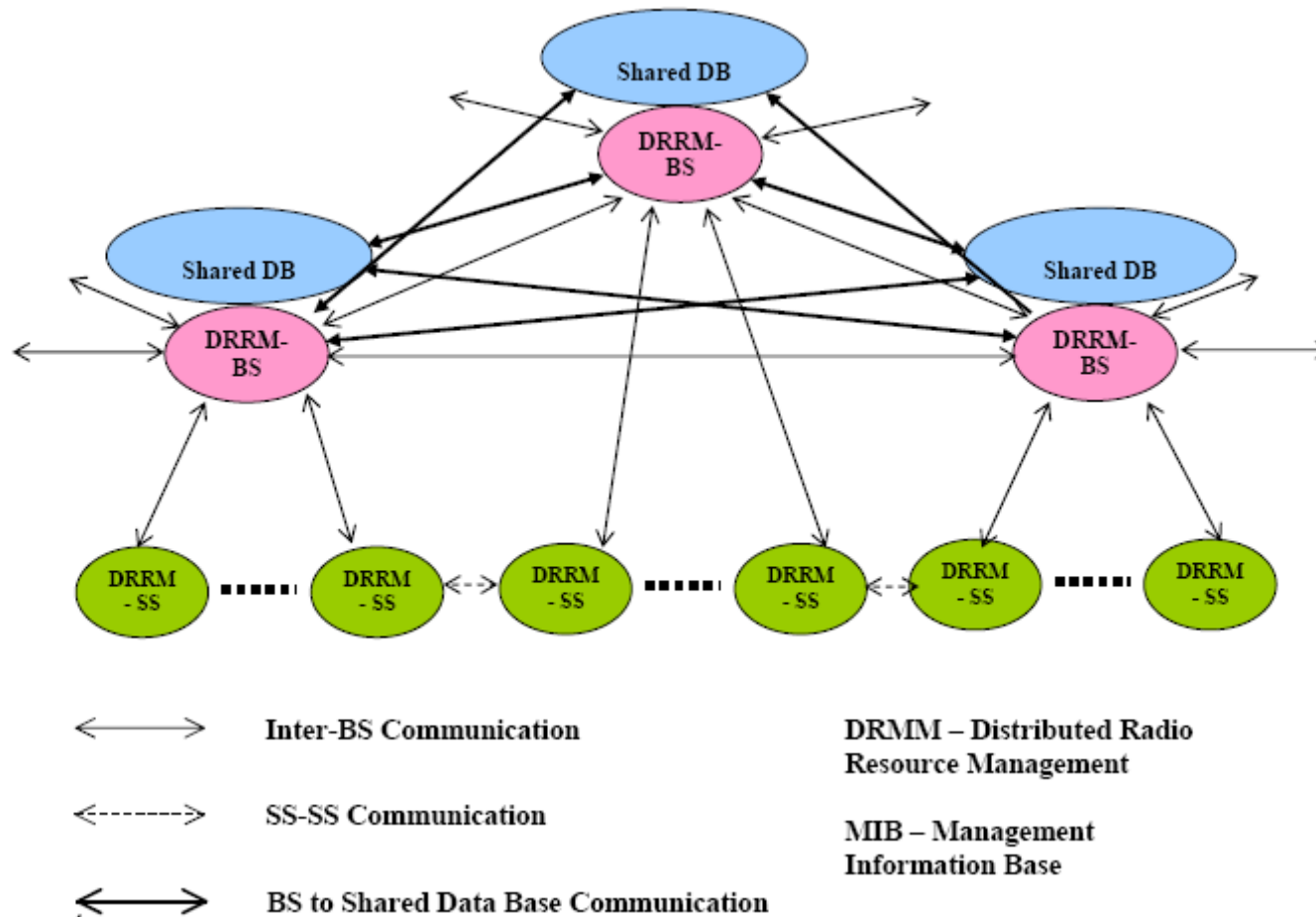
Why use proxy

- Broadcasting the IP address of BS is putting the BS into risk of being attacked from the internet, to use coexistence proxy between BSs in coexistence negotiation and cooperation could be a way out.

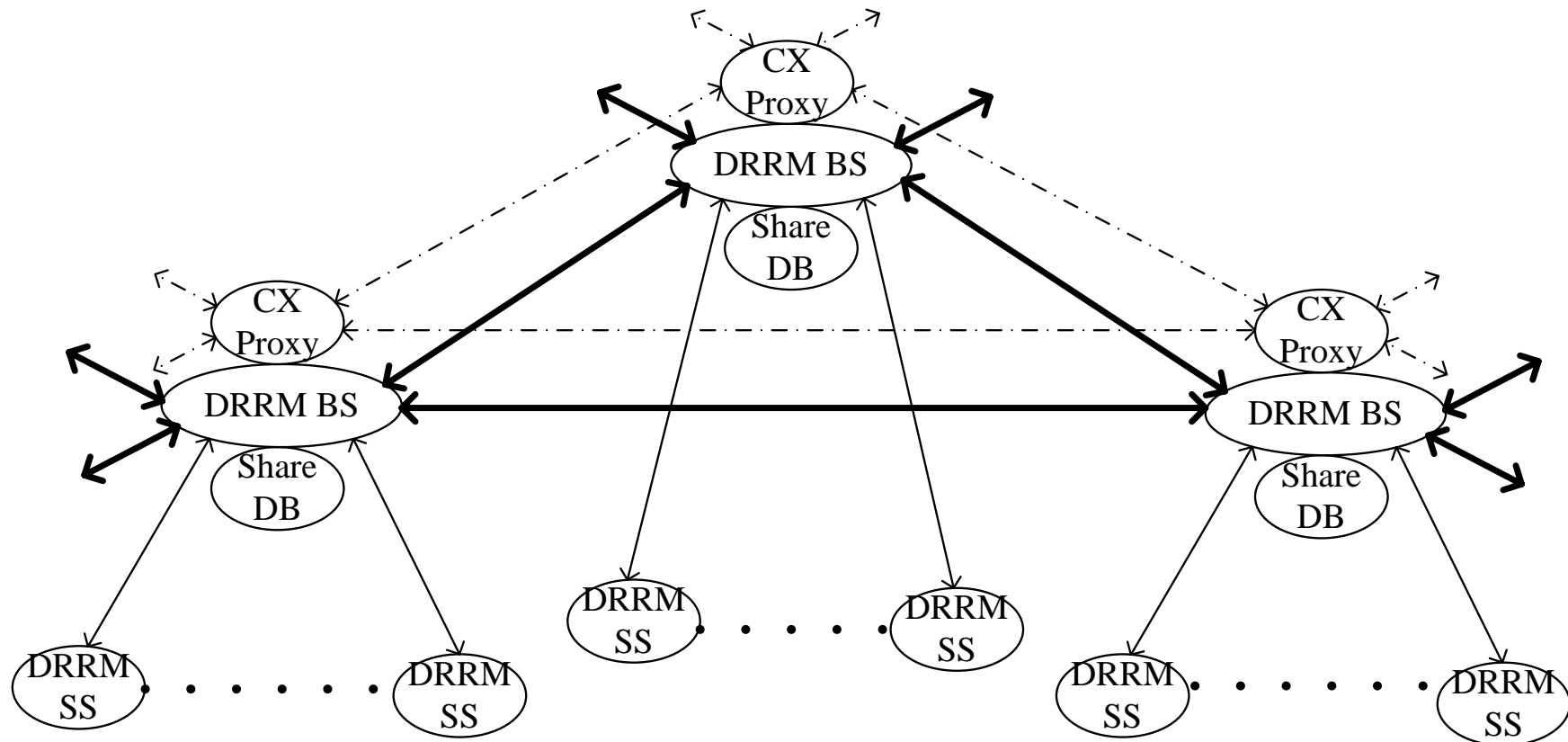
Basic Ideas



System Architecture (within conversant BSs)



System Architecture (within unconversant BSs)

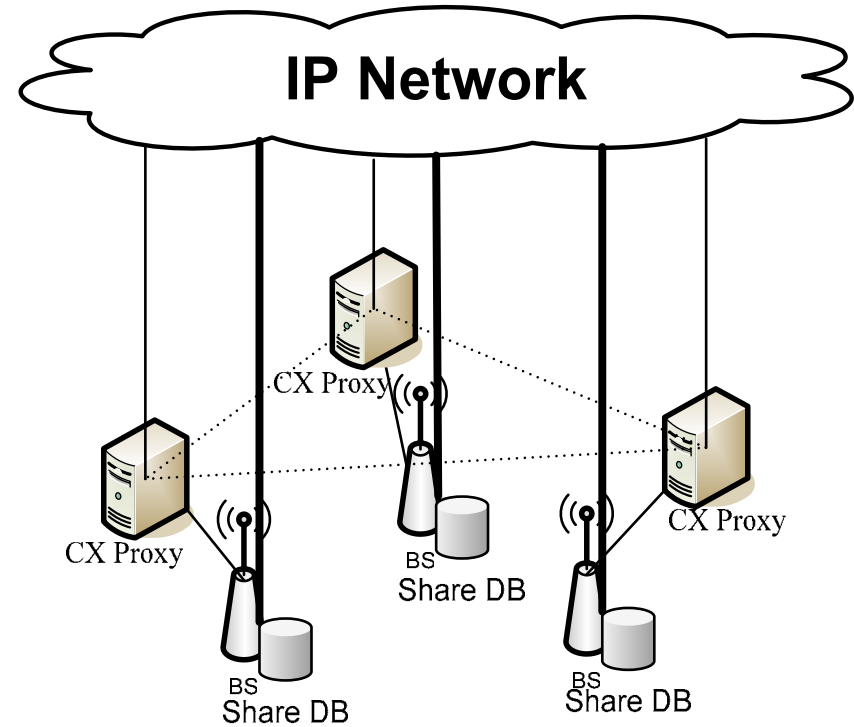
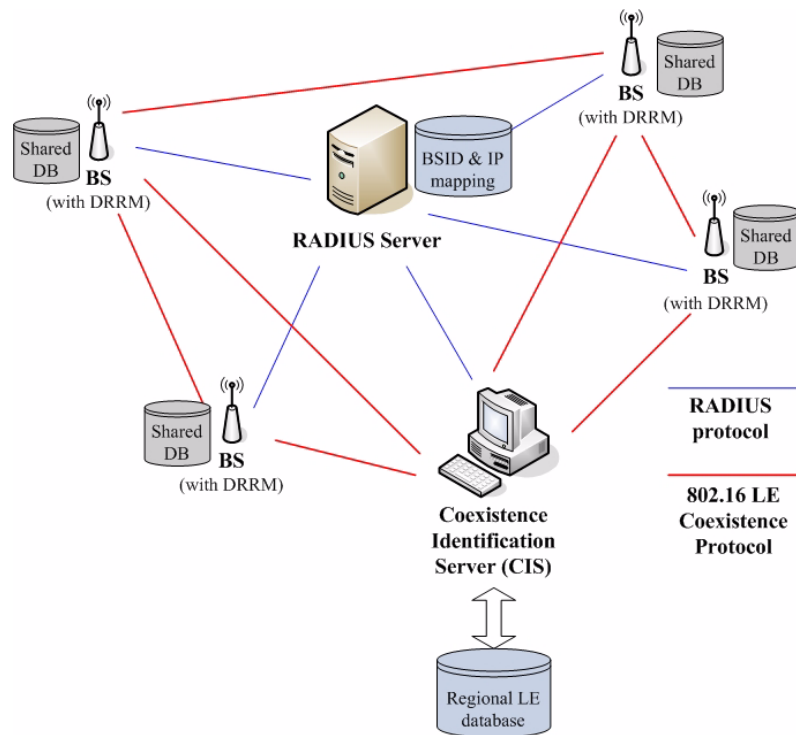


←→ BS-SS transmission

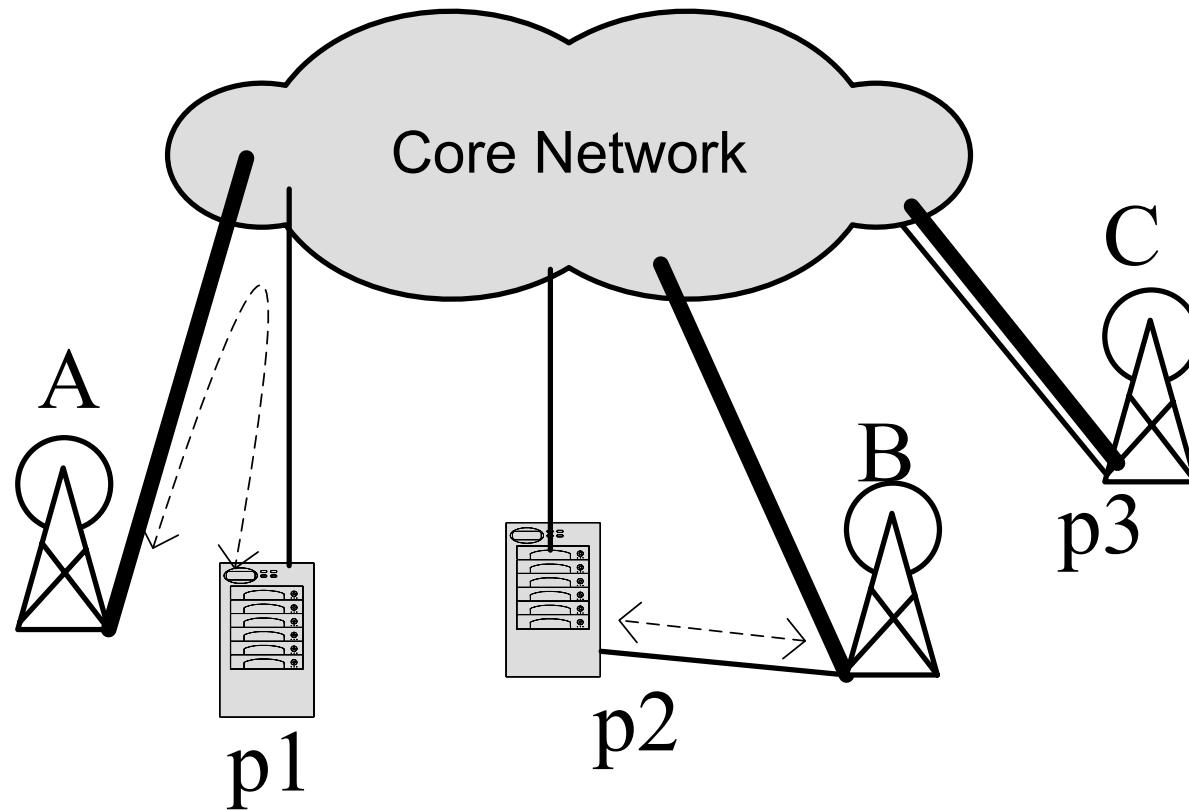
↔ Inter BS data transmission

⋯ Inter BS CP Messaging

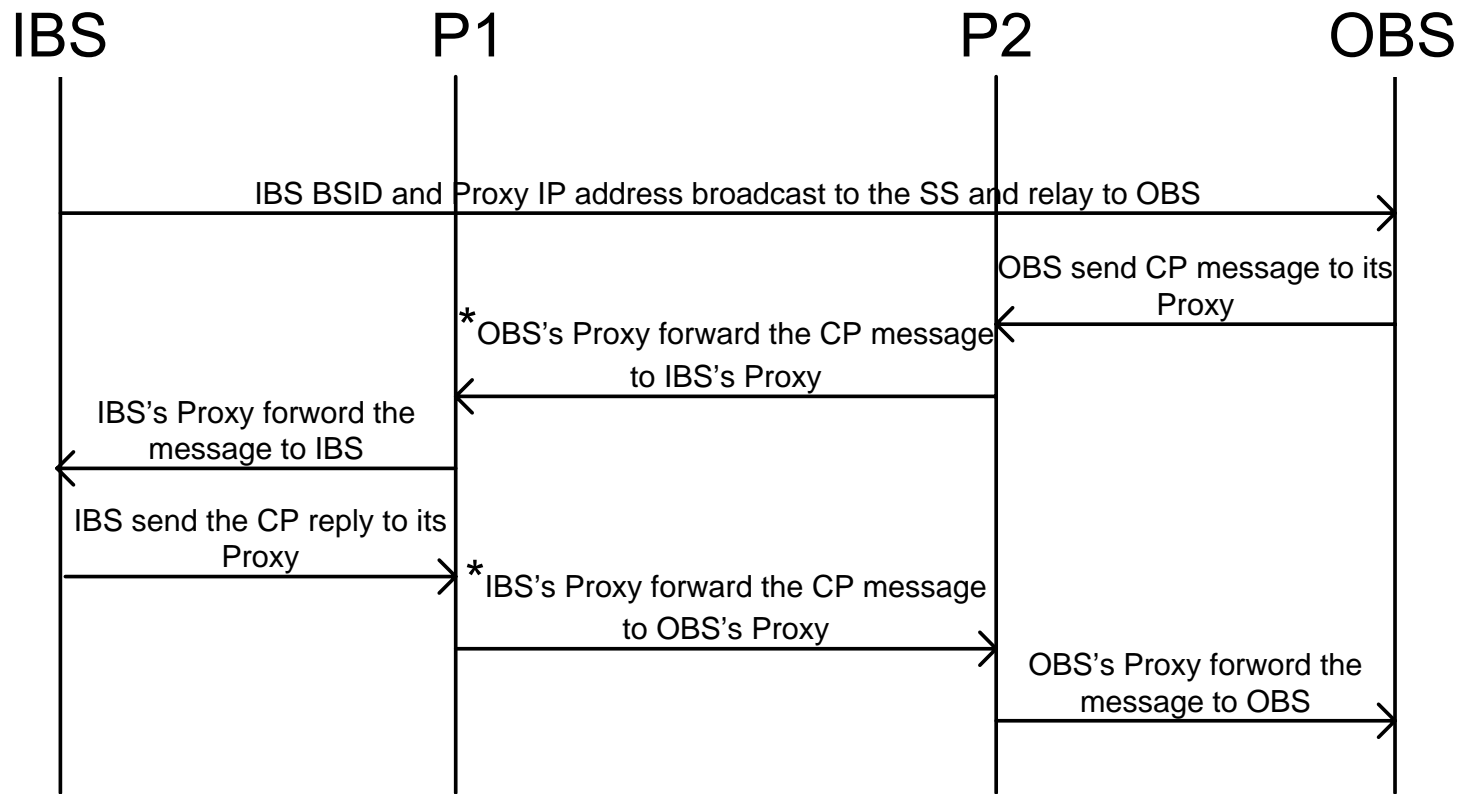
Network Architecture (centralized & distributed)



examples of BS & CX Proxy



IBS broadcasting

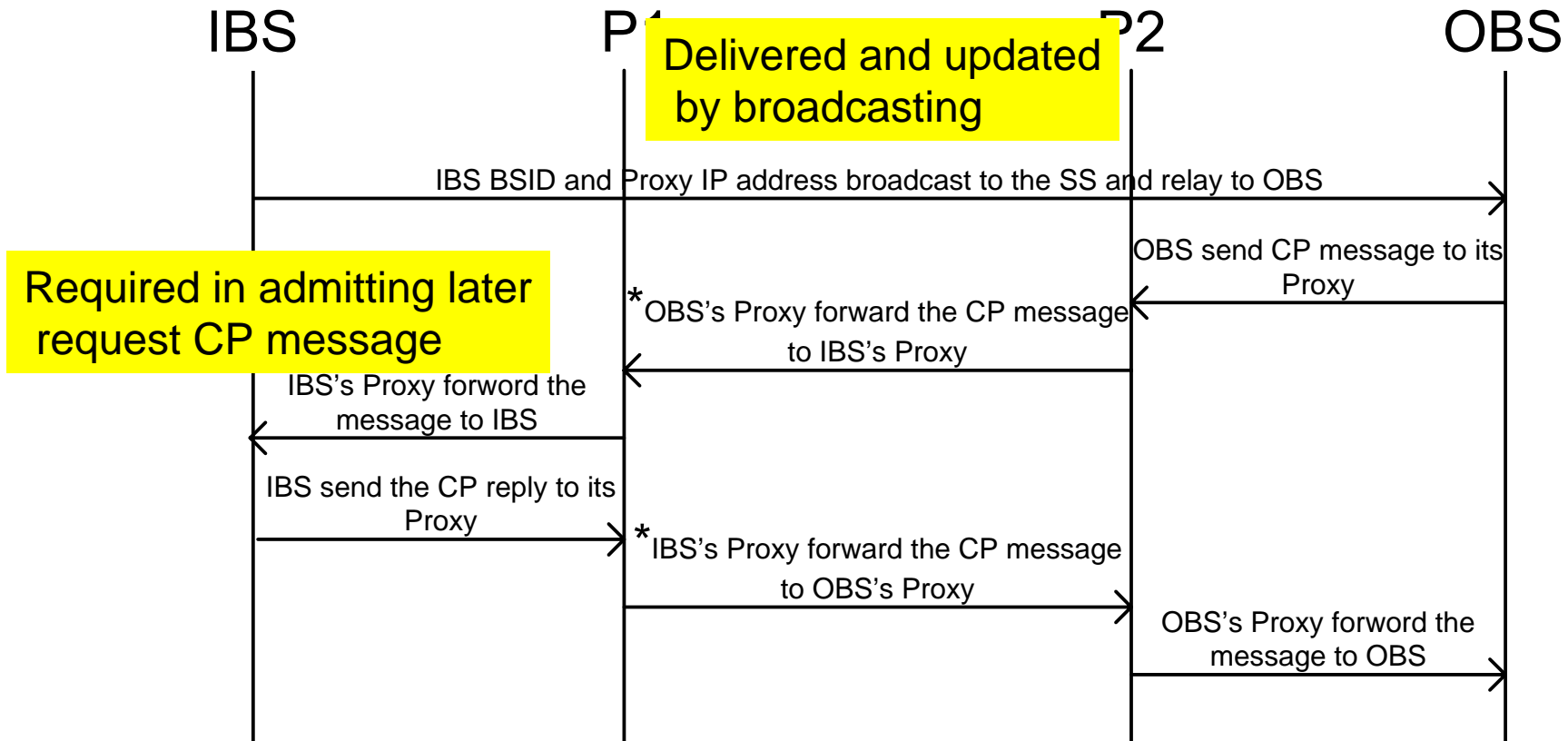


* only needed when P1 and P2 are not the same

Why use RTK

- RTK (random temporary key)
- To obstruct the vicious CP request from systems/ terminals not having received the air signaling who have stolen the static contact information

RTK delivery example



* only needed when P1 and P2 are not the same

Proposed Text Changes

- See detail in C80216h-06_017r2

discussion

- Later works needed on updating on the related CP message
- Radius server's necessity and availability
- Related issues