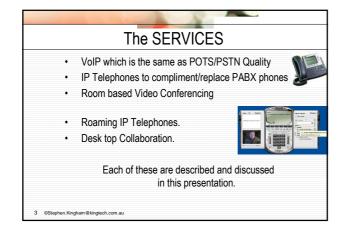
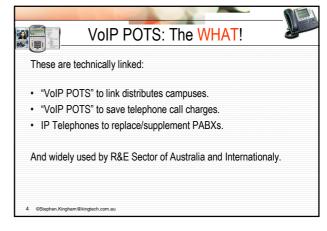
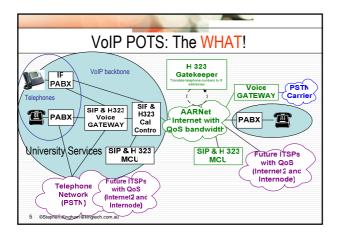
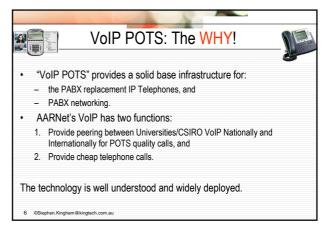


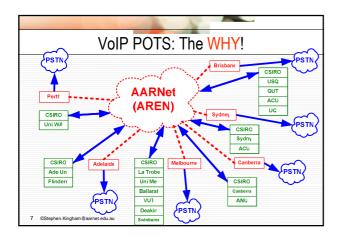
| Objectives/Audience |
|---|
| Voice, Video and Collaboration |
| |
| 1. WHAT services are there now and what is coming |
| 2. Who uses them and WHY |
| 3. Review of HOW to support them. |
| |
| 2 @Stephen Kingham@kingtech.com.au |

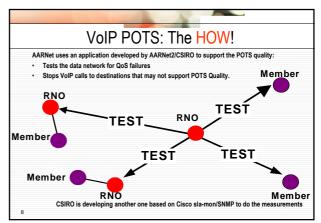


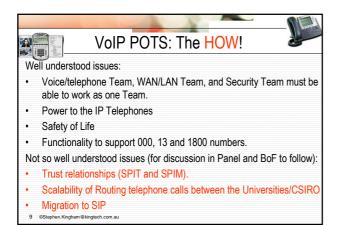


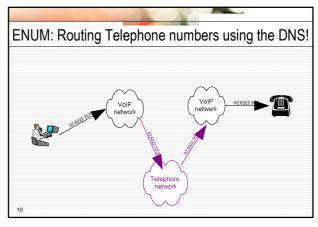


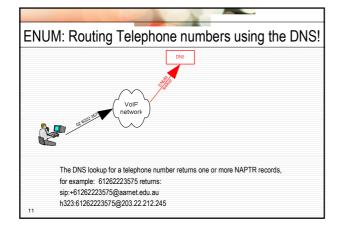


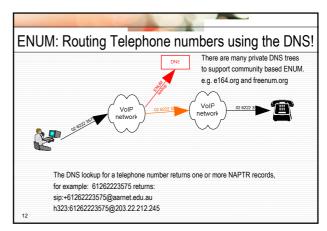




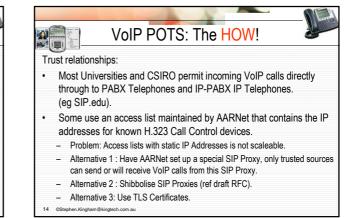


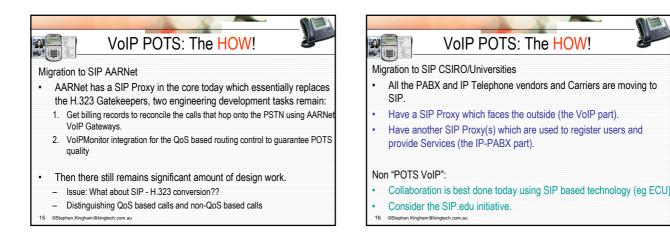


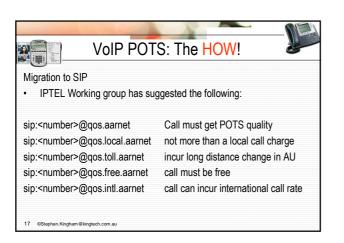


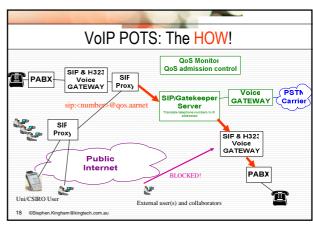


| | W I | VoIP POTS: The HOW! |
|----|------------|--|
| Ro | utir | Ig |
| • | th | present Universities/CSIRO peer to a set of H.323 Gatekeepers in e core. These Gatekeepers are in turn peered to the International .323 Gatekeepers – thus everyone can everyone else. |
| | 1. | Problem: The number ranges are statically set, and thus not very scaleable. |
| | | Alternative: Use the real ENUM DNS Tree, and a Private ENUM Tree. ENUM can support H.323 and SIP at the same time. |
| | | - Consider enum.org (UQ and Monash have their number ranges there). |
| | 2. | Problem: Numbering plans can vary! |
| | | Stick to one standard as much as possible, and may need to translate (easy with SIP) the rest. |
| 13 | ©Ste | phen.Kingham@kingtech.com.au |

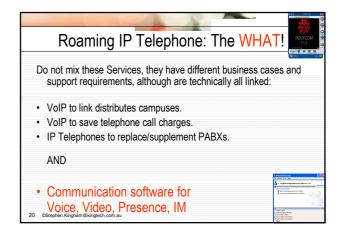


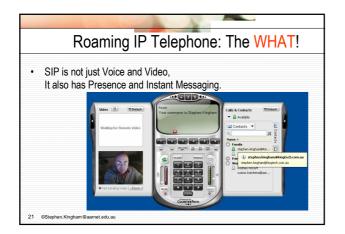


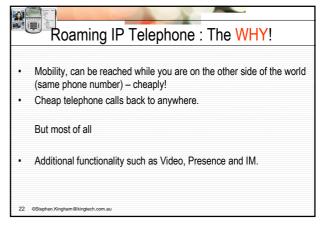




| | New Topic: | |
|---------------------------------------|--------------------|---|
| | | |
| S S S S S S S S S S S S S S S S S S S | Roaming IP Telepho | Ince! |
| 19 ©Stephen.Kingham @k | ingtech.com.au | Constitution + Ald Constitution - Ald Constitution - Constitution Mark - Nation |









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What the customer wants?

Could Universities start losing their customers to 3rd party providers?

Has this already started?

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| Sits on top of VoIP infrastructure. No QoS This is not your "PABX IP Telephone" so it different Safety of Life issues. | • | Use SIP based technology. |
|---|---|-------------------------------------|
| This is not your "PABX IP Telephone" so it different Safety of Life | • | Sits on top of VoIP infrastructure. |
| | • | No QoS |
| | • | |

| VolP PO | TS: The HOW! |
|--|--|
| Migration to SIP IPTEL Working group has s | suggested the following: |
| sip: <number>@aarnet sip:<number>@local.aarnet sip:<number>@toll.aarnet sip:<number>@free.aarnet sip:<number>@intl.aarnet</number></number></number></number></number> | Call must get POTS quality not more than a local call charge incur long distance change in AU call must be free call can incur international call rate |

