NGN Evolution – Status and the Next
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Agenda

- FGNGN WG6 Status
- Items of next step
- Thinking for future evolution

People need clear views -- how current networks will be gradually evolved to NGN

ITU-T FGNGN WG6 Documents

Evolution of networks to NGN

General principles

Scenarios for PSTN/ISDN evolution to NGN

(try to) List all possible cases PSTN/ISDN to the stage of call server (softswitch), light touches for service, transport, control, signaling, management aspects

PSTN/ISDN emulation and simulation scenarios

Combination of possible cases

Some of achievements

- Definitions (e.g. simulation and emulation)
- Simple scenarios for PSTN/ISDN to the NGN (softswitch) stage and emulation/simulation.
- Establish cooperation with ITU-T SG4, ETSI TISPAN, ITD-D SG2, etc.
- Some initiating to touch aspects for signalling, interworking numbering and addressing, services, control and management

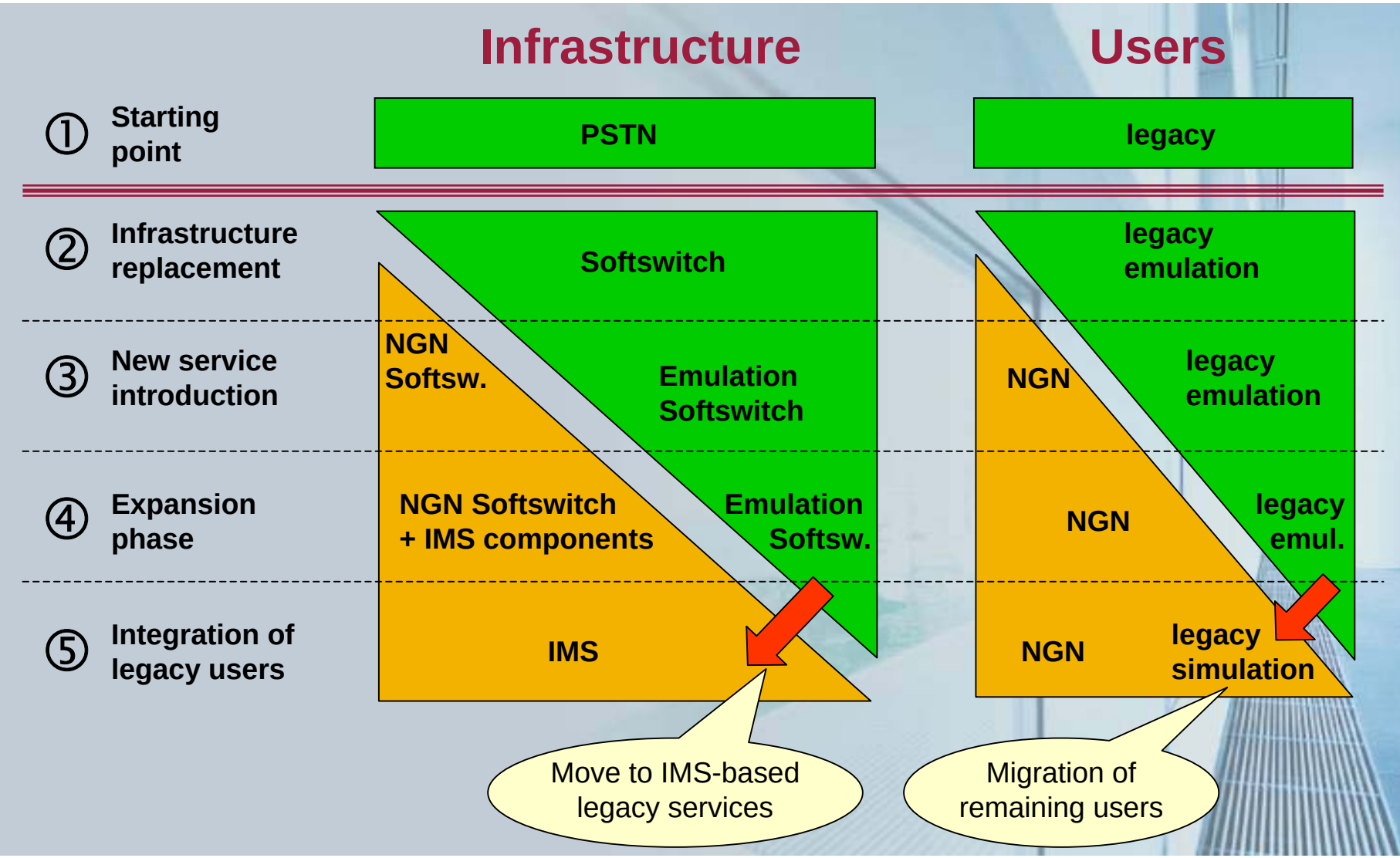
Views for next step

- Connection with Release 1 architecture
- Deep for the technical aspects listed in previous page
- Complete scenario and roadmap to final NGN
- What will be in release 1 and release 2?

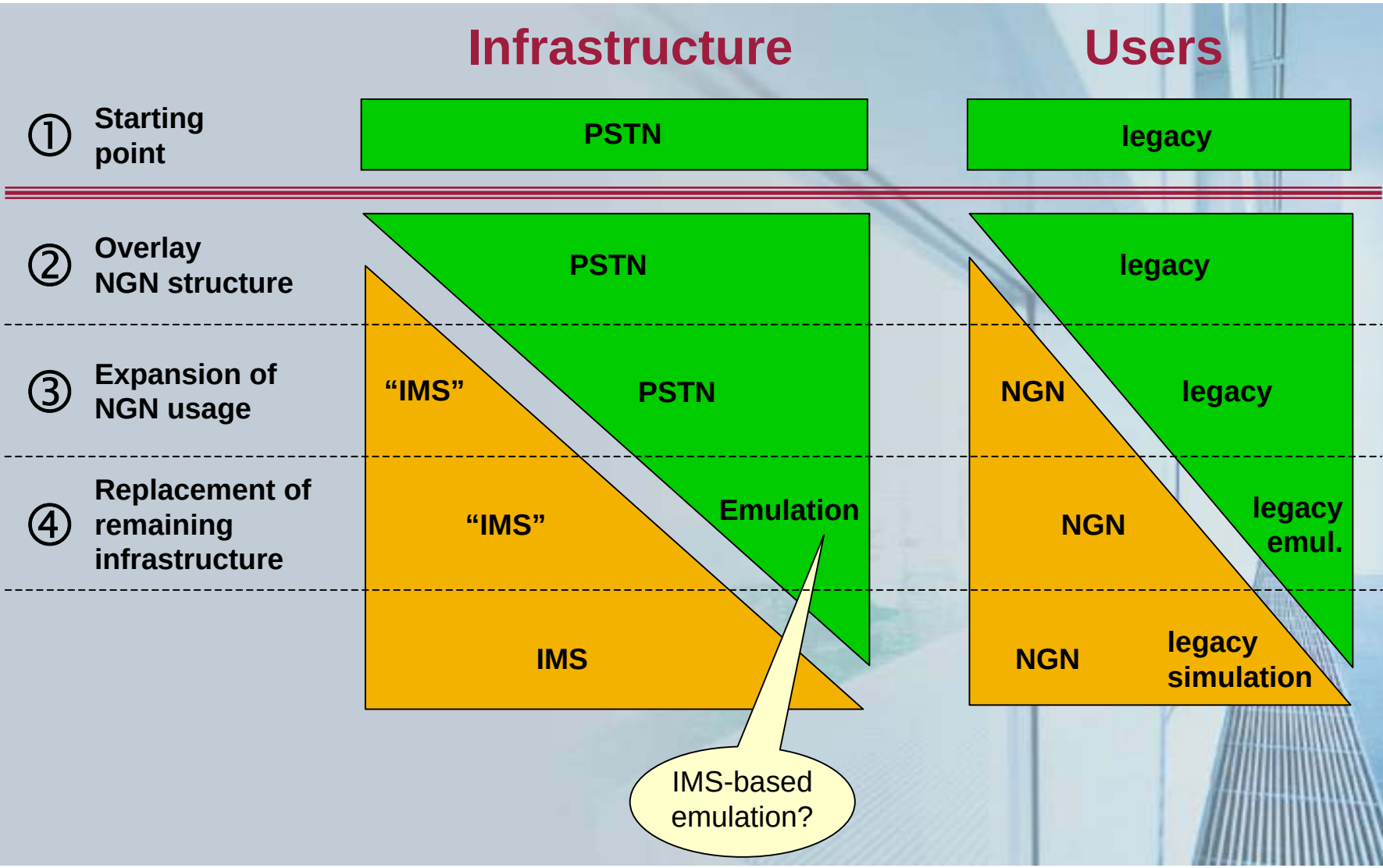
Gradual evolution from PSTN to NGN

1. Provision of new communication services to broadband users in addition to existing network.
2. A significant portion of users switches to those services. Reduction of true PSTN / ISDN usage visible.
3. Cost of maintaining both systems in parallel becomes a factor. Decision to begin replacement of infrastructure.
4. Replacement of part of the infrastructure (e.g. local switch) by IP infrastructure, without forcing all users to migrate.
5. Full change to IP infrastructure.
6. Begin to migrate remaining users to NGN.

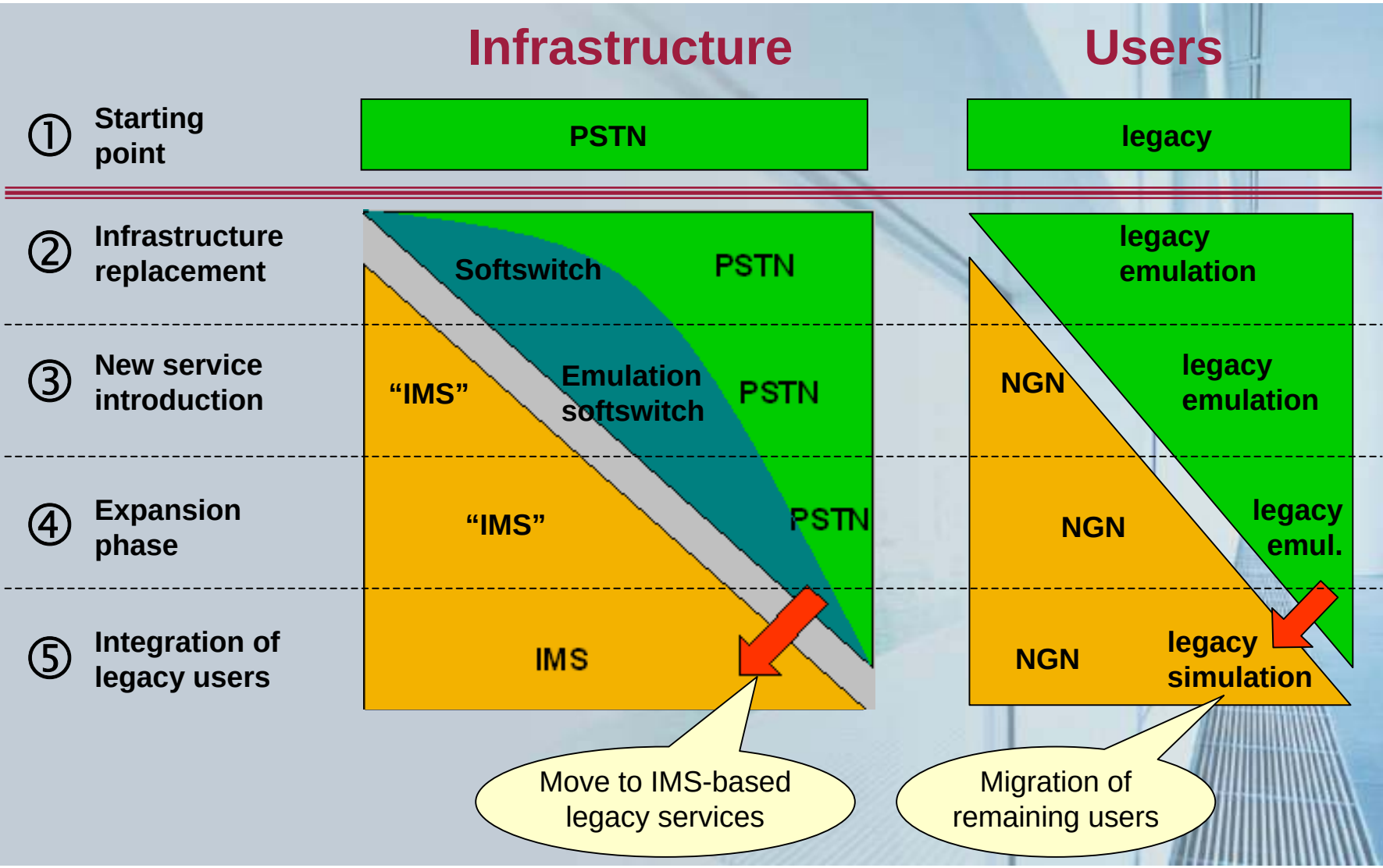
Generic scenario 1
Infrastructure replacement



Generic scenario 2
Overlay structure



Combination scenarios
IMS + Emulation + overlay (example)



Thank you for your attention!