

# Welcome to future mobile networks!



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End to end system marketing

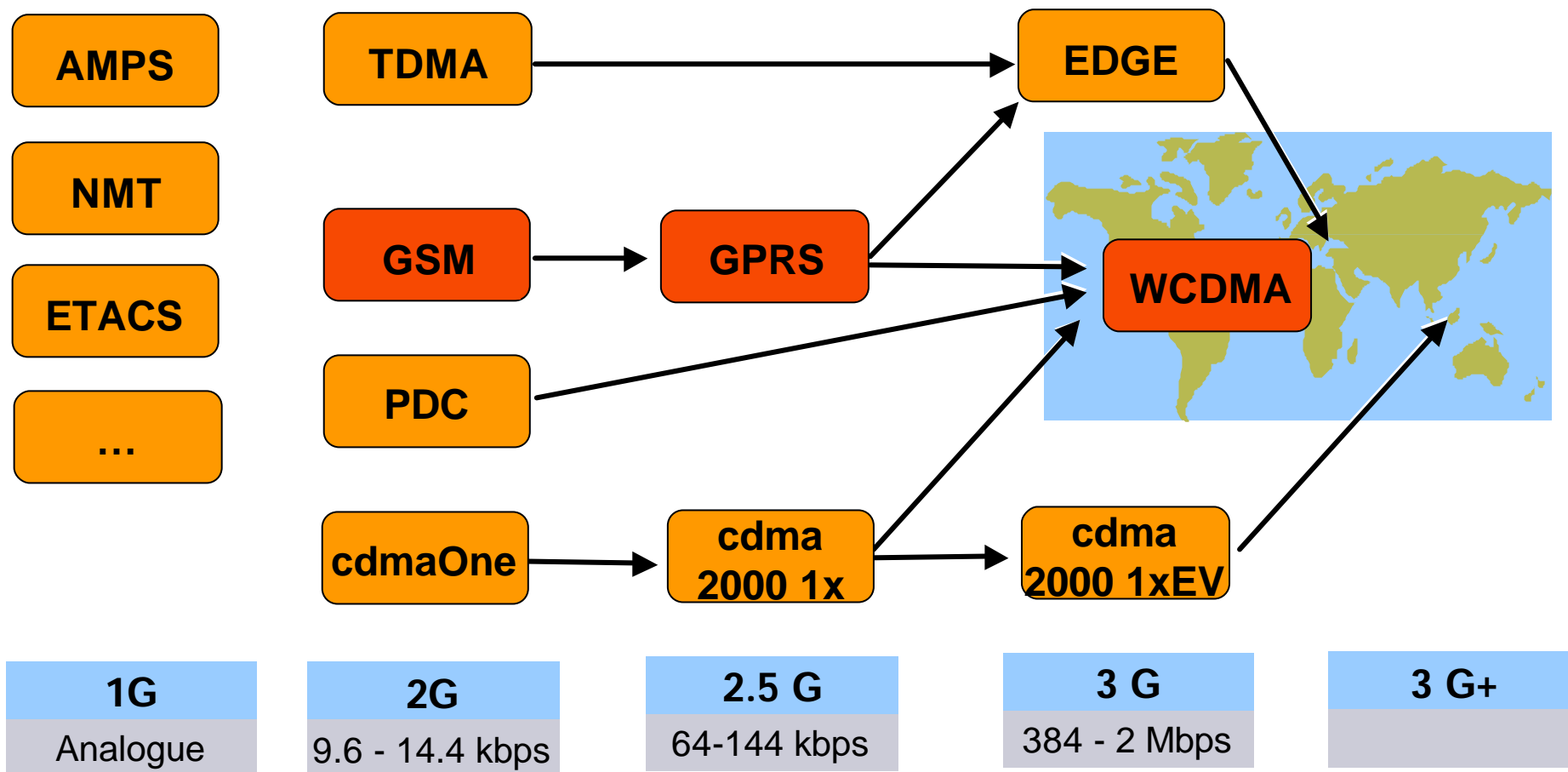
WCDMA Marketing

Ericsson Radio Systems AB  
S-164 80 Stockholm

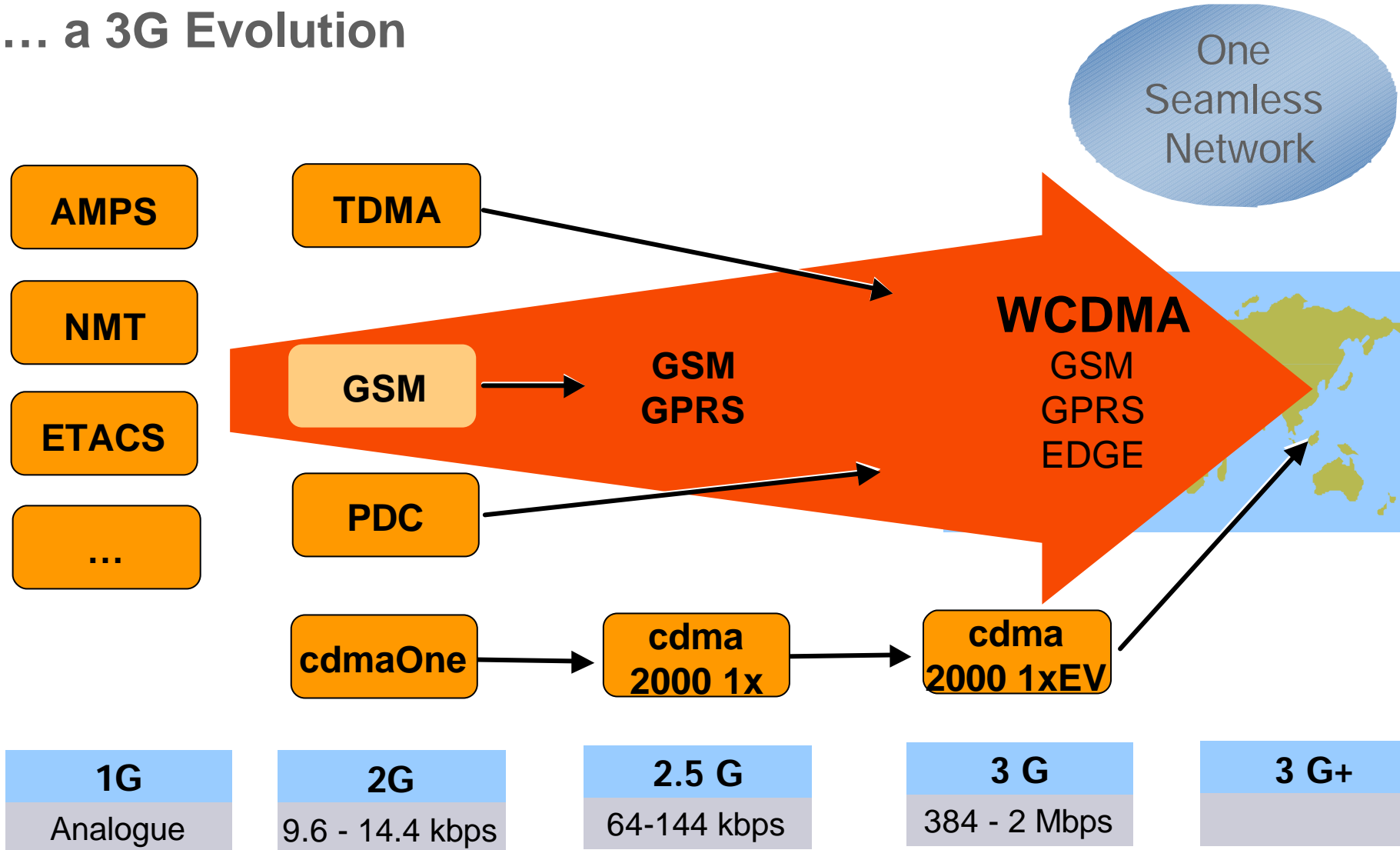
3G Networks – just a new radio  
interface  
or  
something much more????

let's start from the beginning....

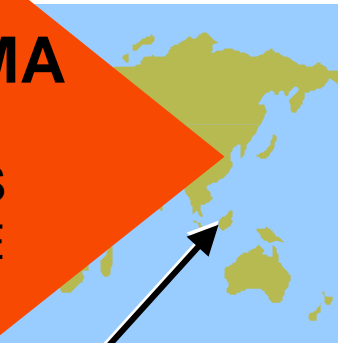
# Entering a 3G Revolution or...



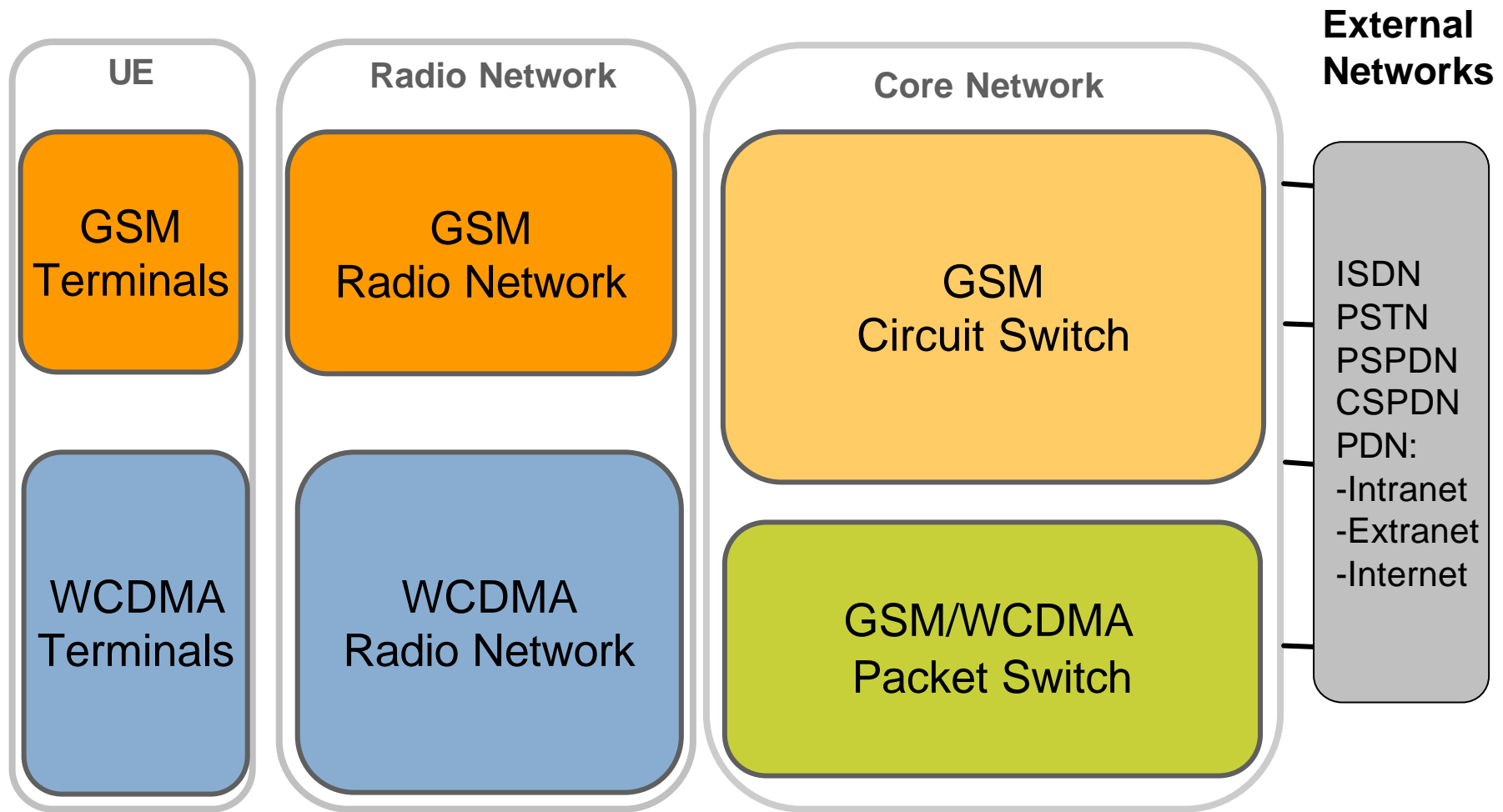
# ... a 3G Evolution



One Seamless Network

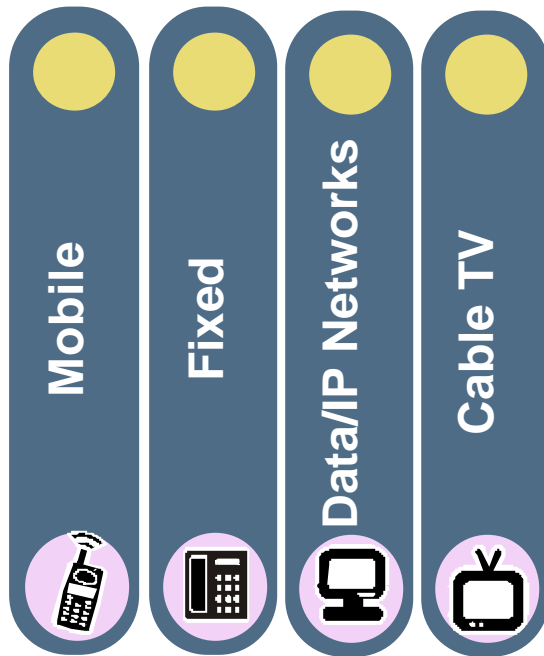


## 3G & WCDMA in a nutshell...

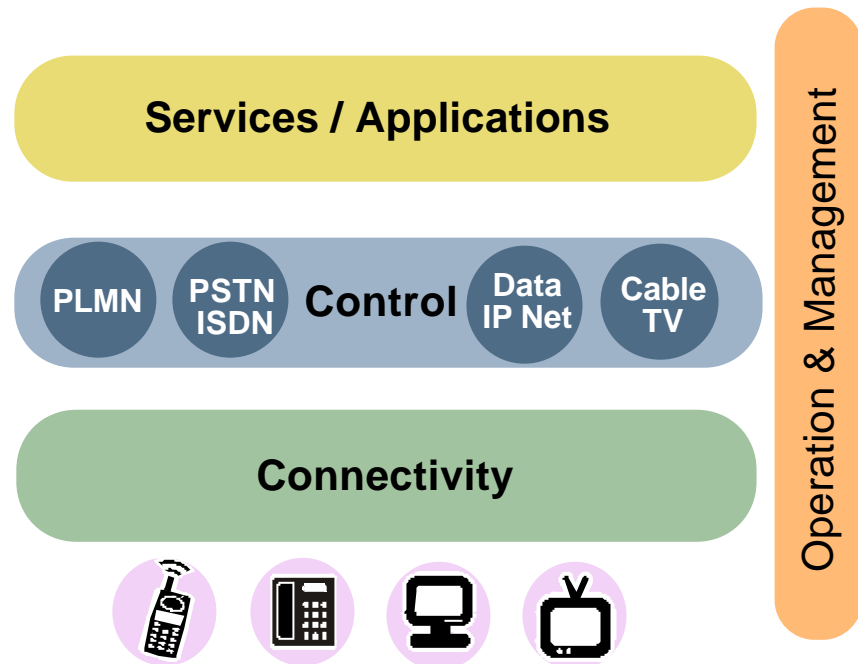


# Layered Architecture

## Today's Solutions

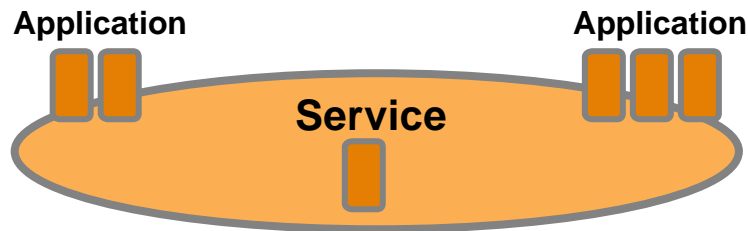


## The Layered Architecture

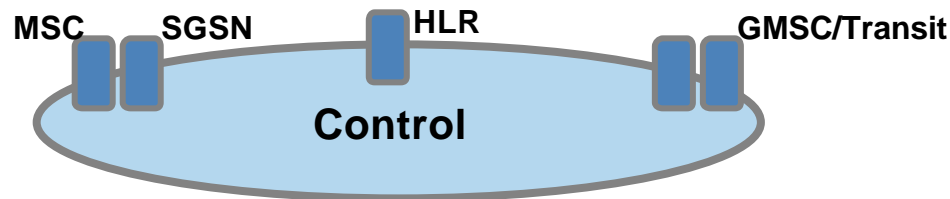


Access, Transport & Switching Networks

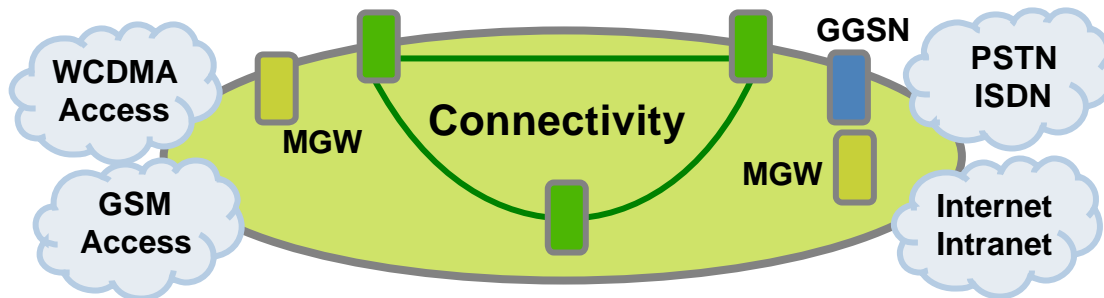
# Layered architecture... for 2G and 3G



- Fast deployment of services
- Open-market approach
- Flexible location

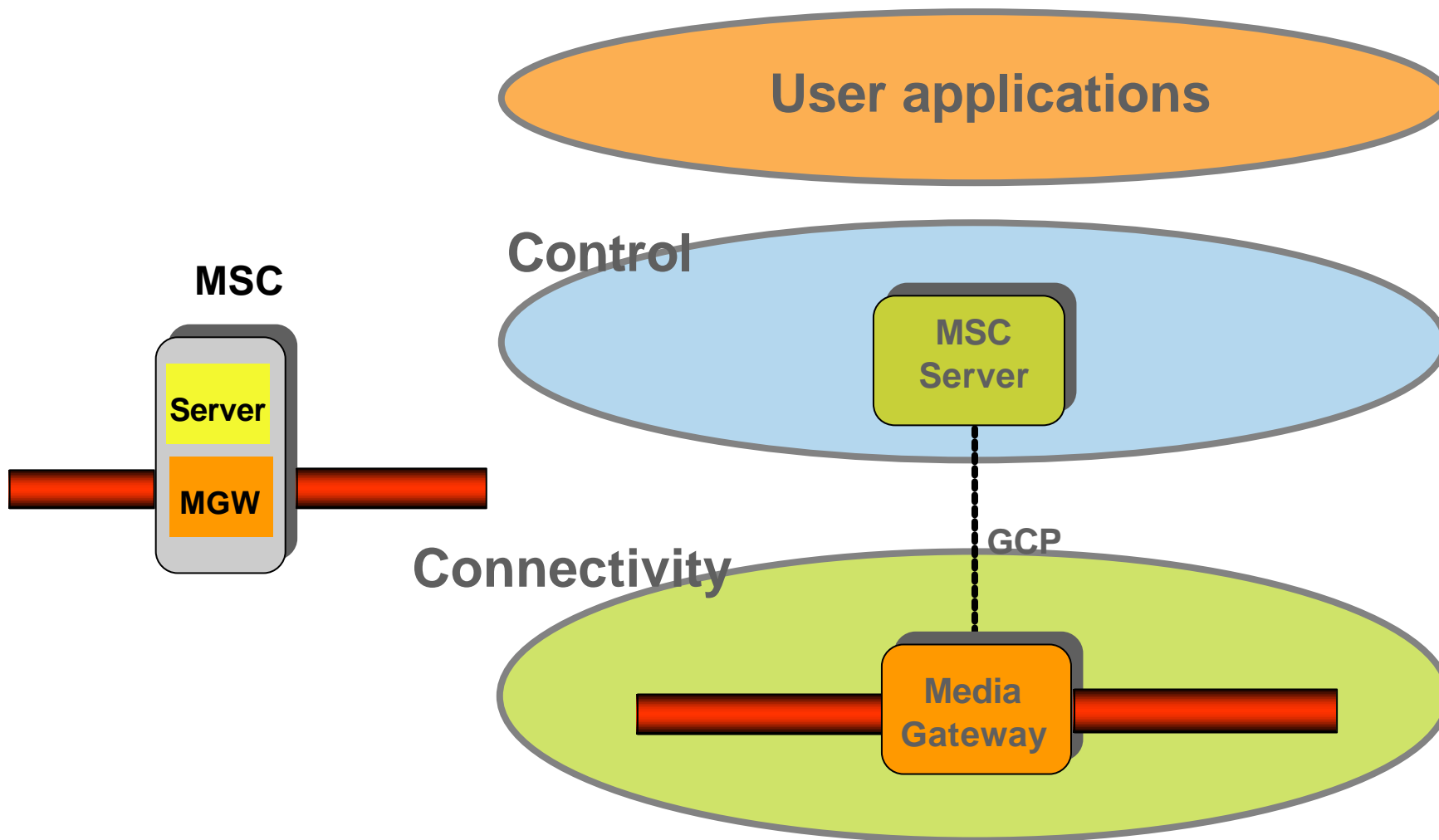


- Scaled according to need
- Centralized location, smooth upgrades and maintenance



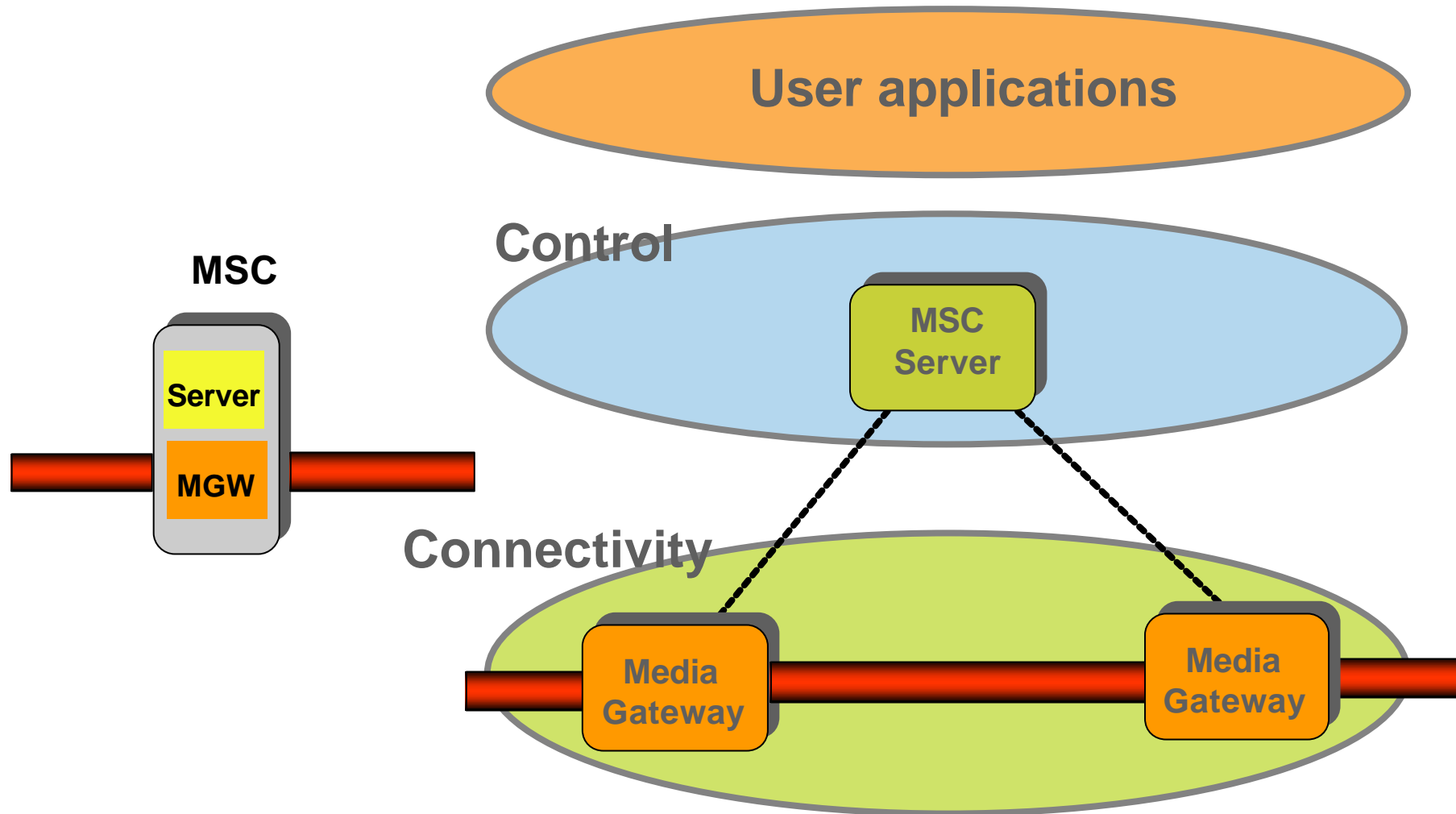
- Common Packet Backbone
- Pooled resources
- Flexible transport

# CS Migration into Layered Architecture

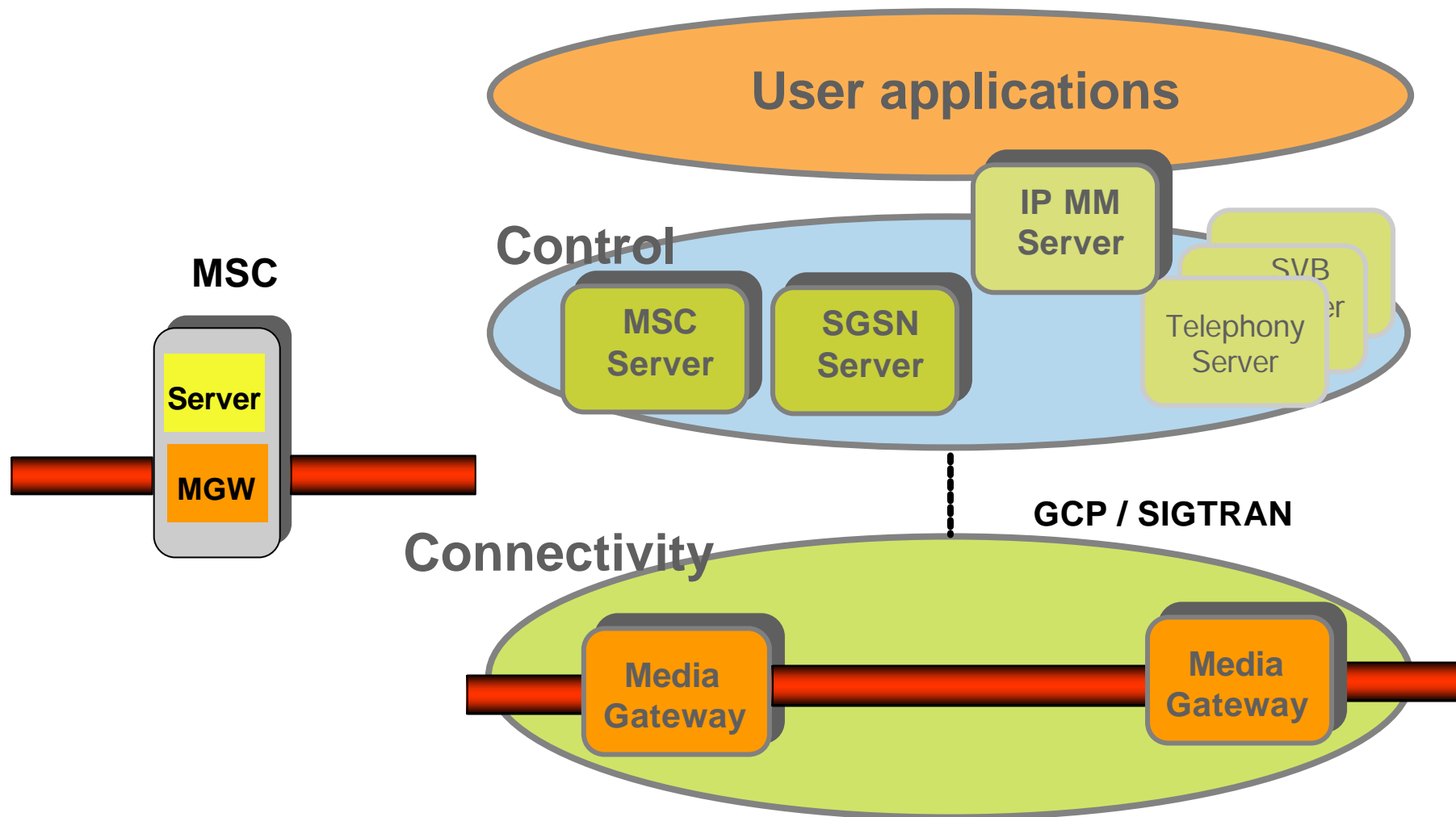




# CS Migration into Layered Architecture

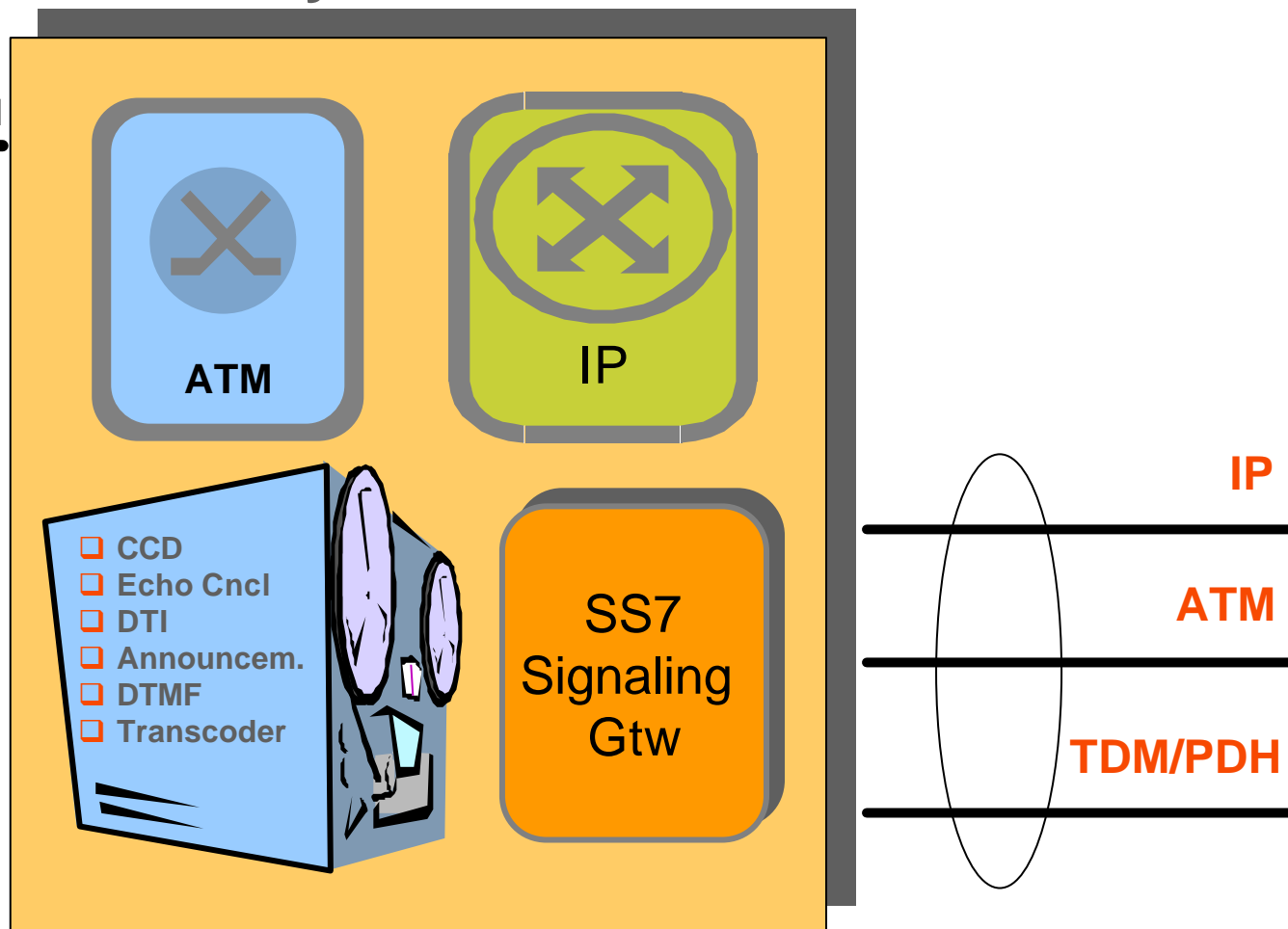


# Layered architecture realized



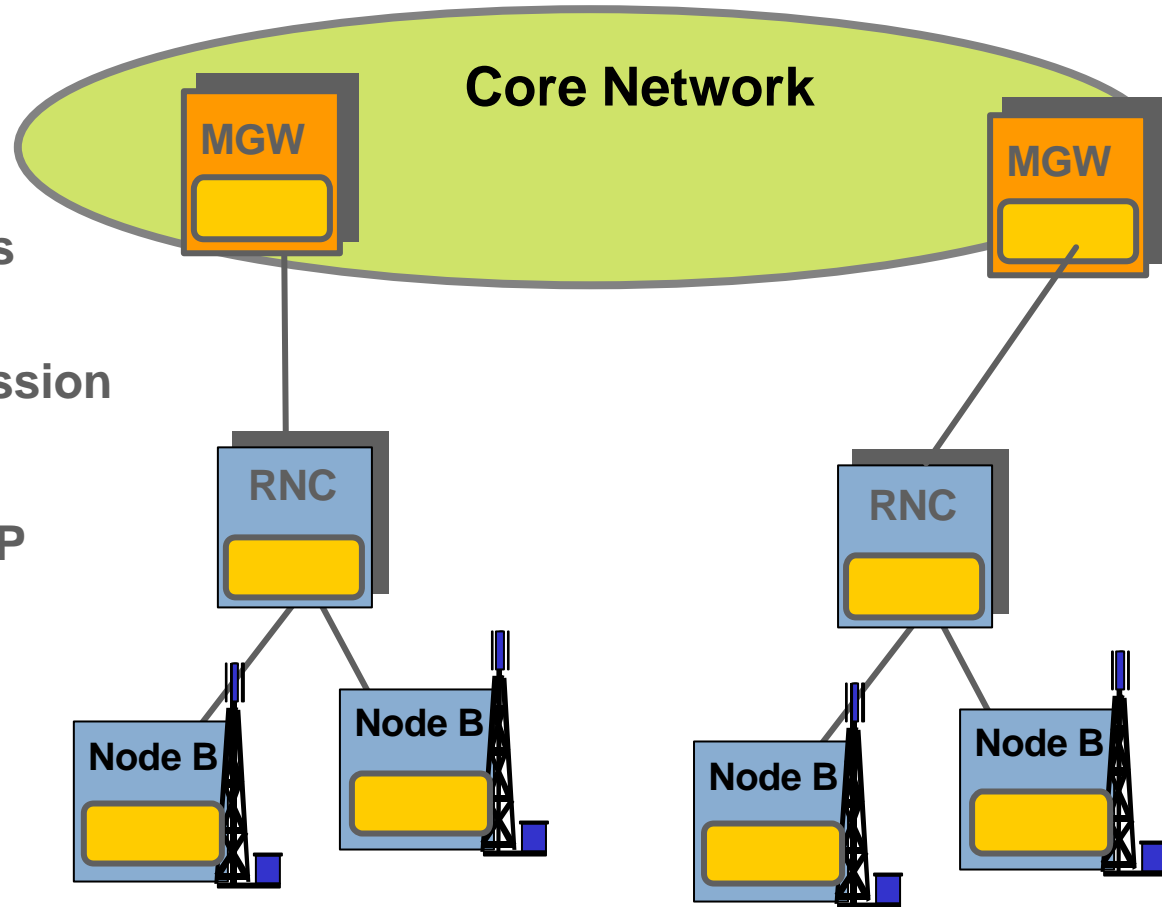
# Ericsson's Media Gateway

GCP –  
Gateway Control Protocol



# CPP - Common Packet Platform!

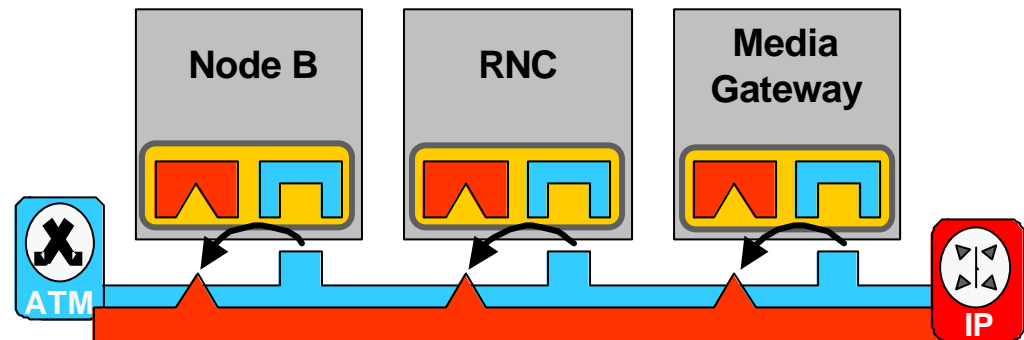
- Same platform means cost savings
- No External Transmission Equipment
- Easy migration into IP



## A Smooth Migration towards IP Transport

- The Basic Advantages Are:
  - Common Transport of CS and PS Domains results in cost savings
  - A single technology means lower cost for training, O&M, Spare Parts etc.

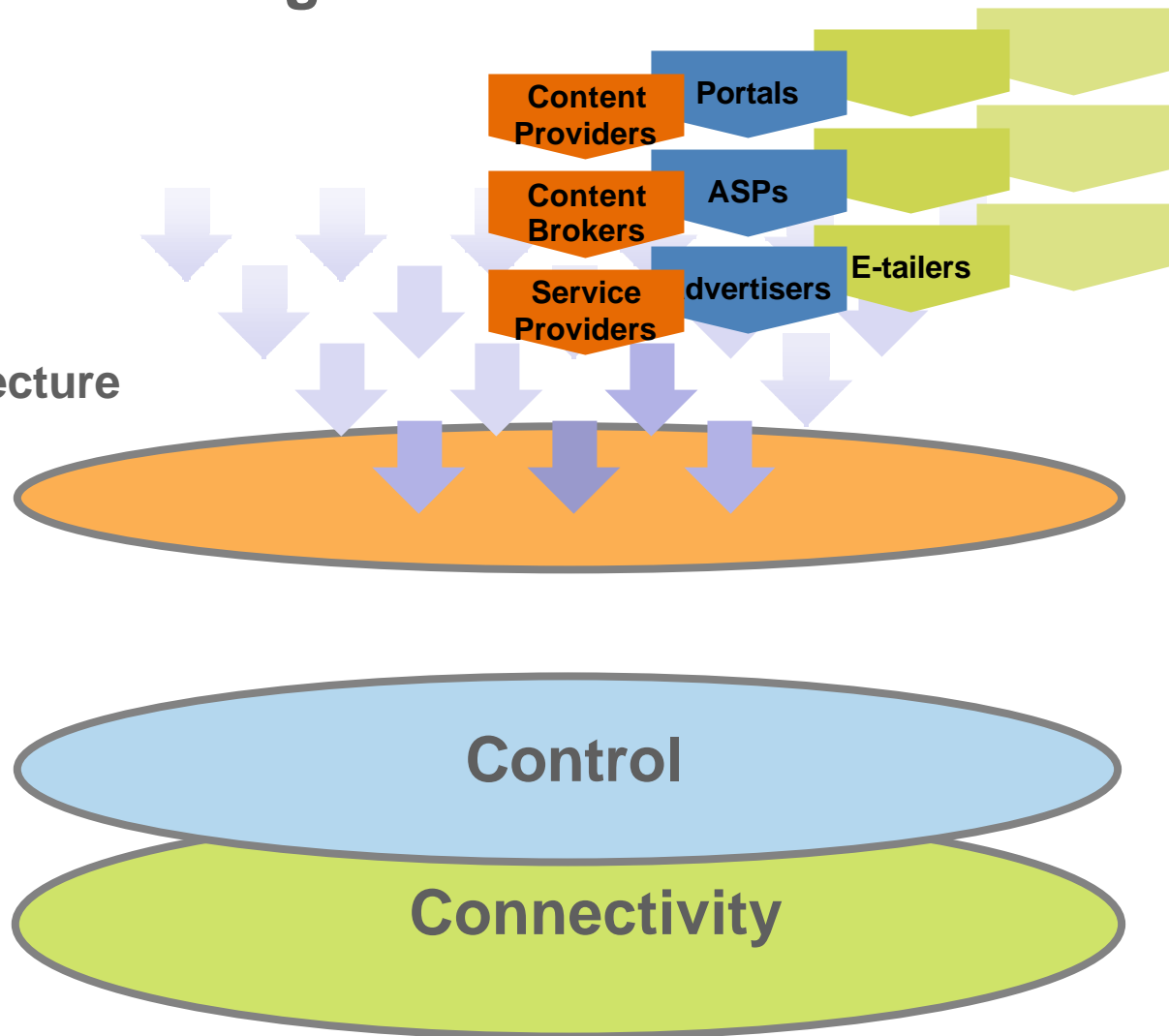
### □ A Smooth Upgrade



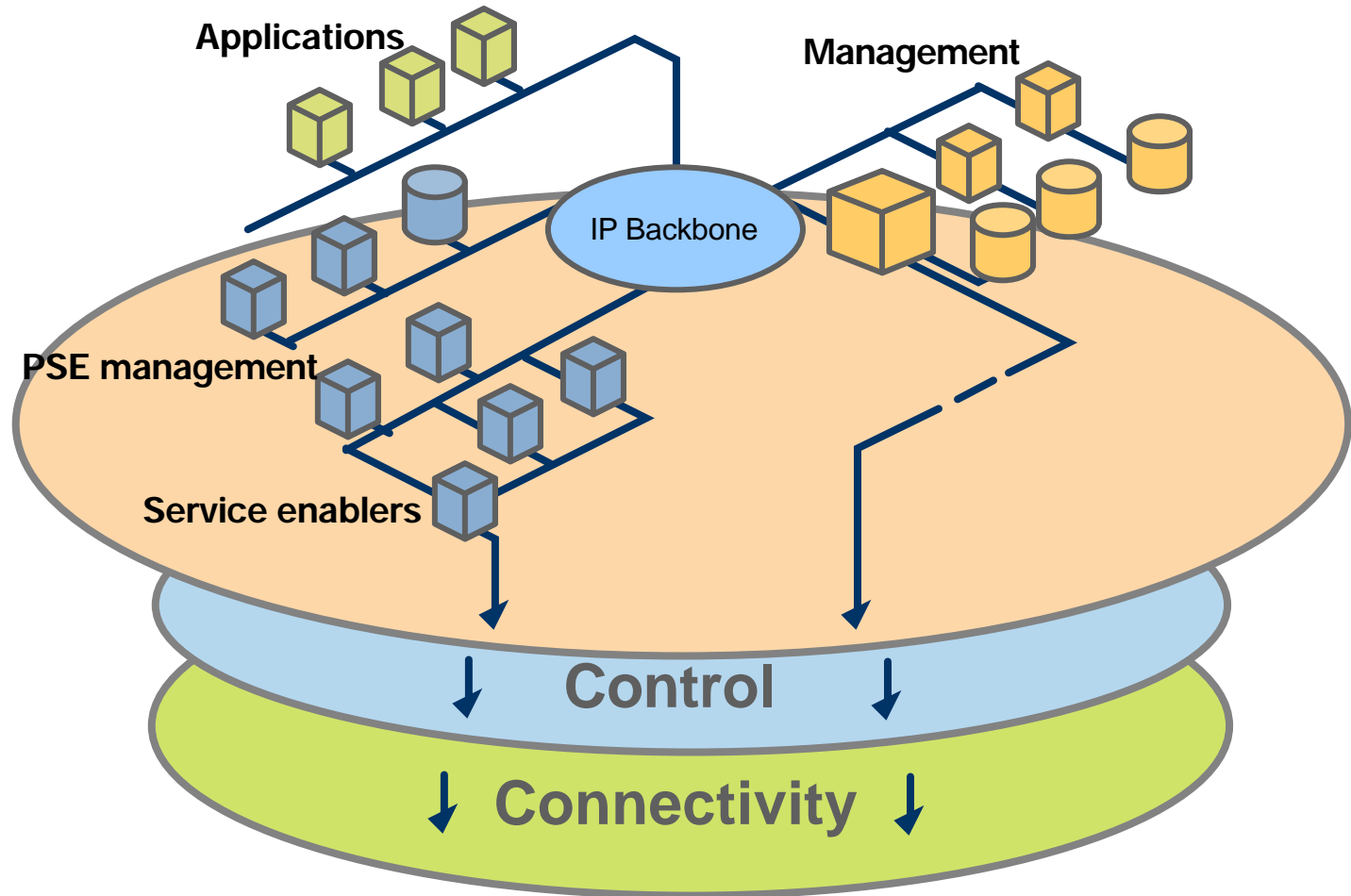
### □ An MPLS/Diffserv Approach Securing QoS

# Service delivery – a new ball game

- Open Service Architecture
- QoS
- Security & Integrity
- Roaming
- Real Time Charging



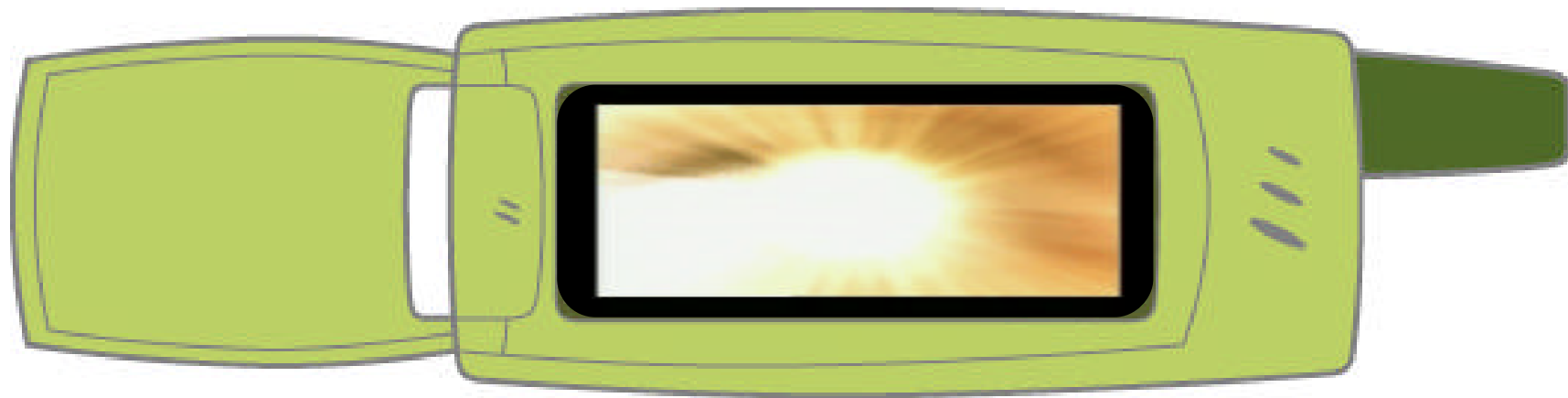
# Service Network for 3G Services



...It is something much more...

- ❑ a new way to see our networks
- ❑ one common packet transport
- ❑ a services delivery platform







**Thank You!**

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