

SCTE CABLE-TEC
EXPO'13
OCTOBER 21-24 / ATLANTA, GA

THE EDGE TRANSFORMATION OF THE CABLE HUB

Vik Saxena

Leader, Cable Solutions & Strategy

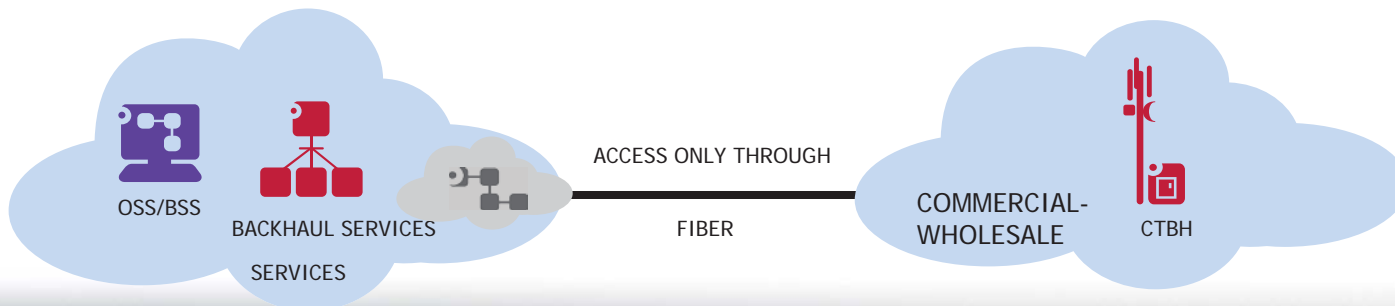
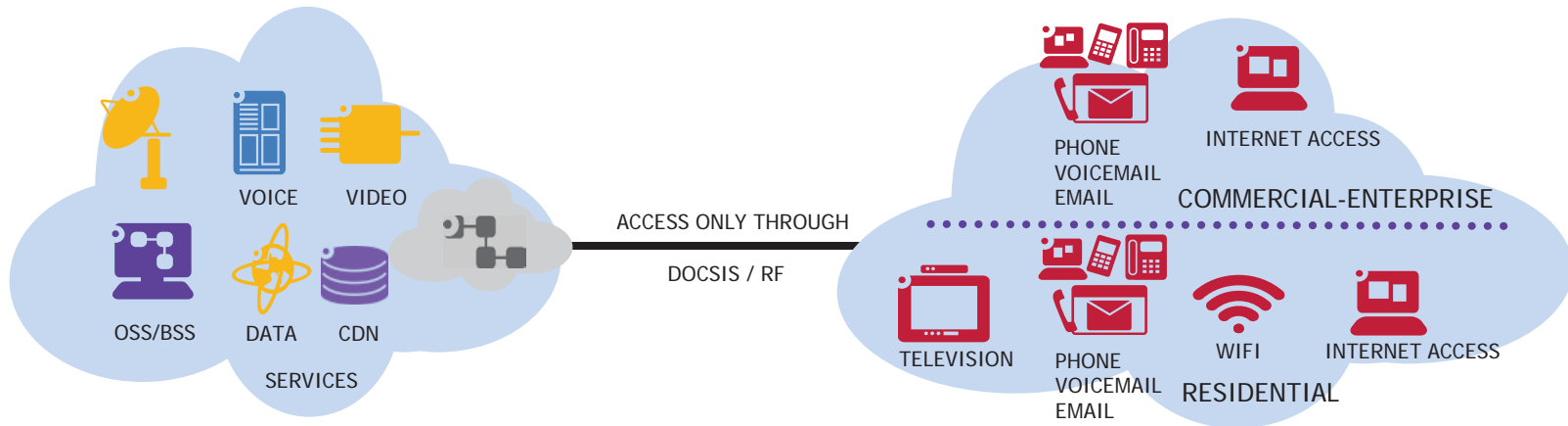
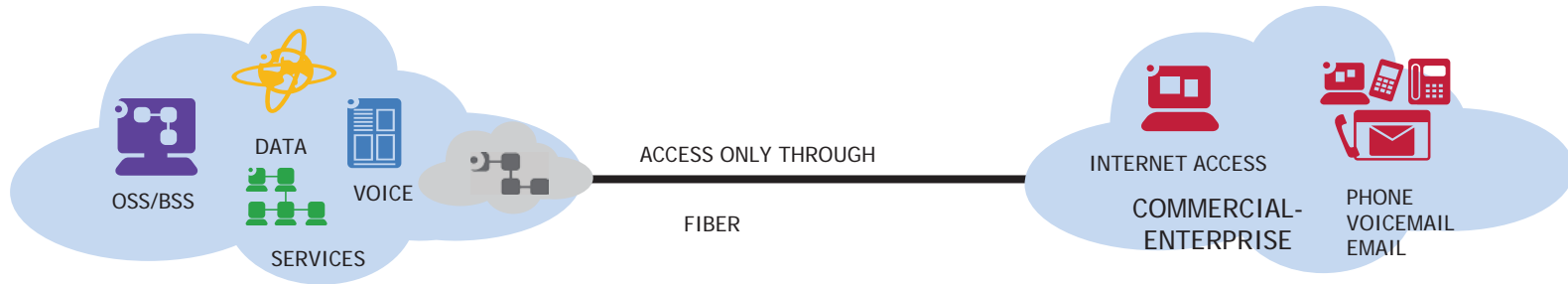
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THE EDGE TRANSFORMATION

THE CURRENT MSO

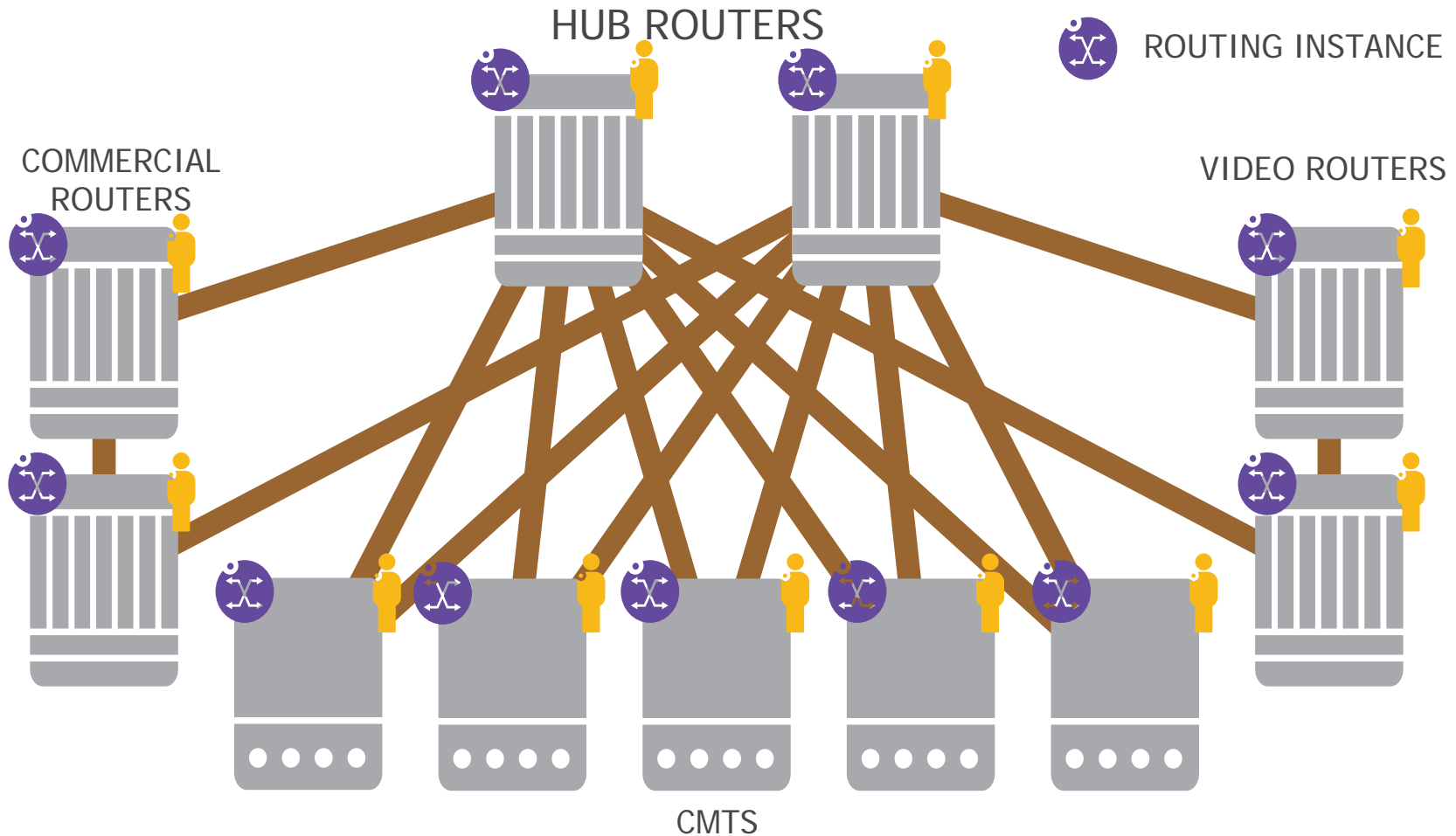


THE EDGE TRANSFORMATION

CURRENT MSO HUB DEPLOYMENTS

 ROUTER TRAINED PERSONNEL

 ROUTING INSTANCE

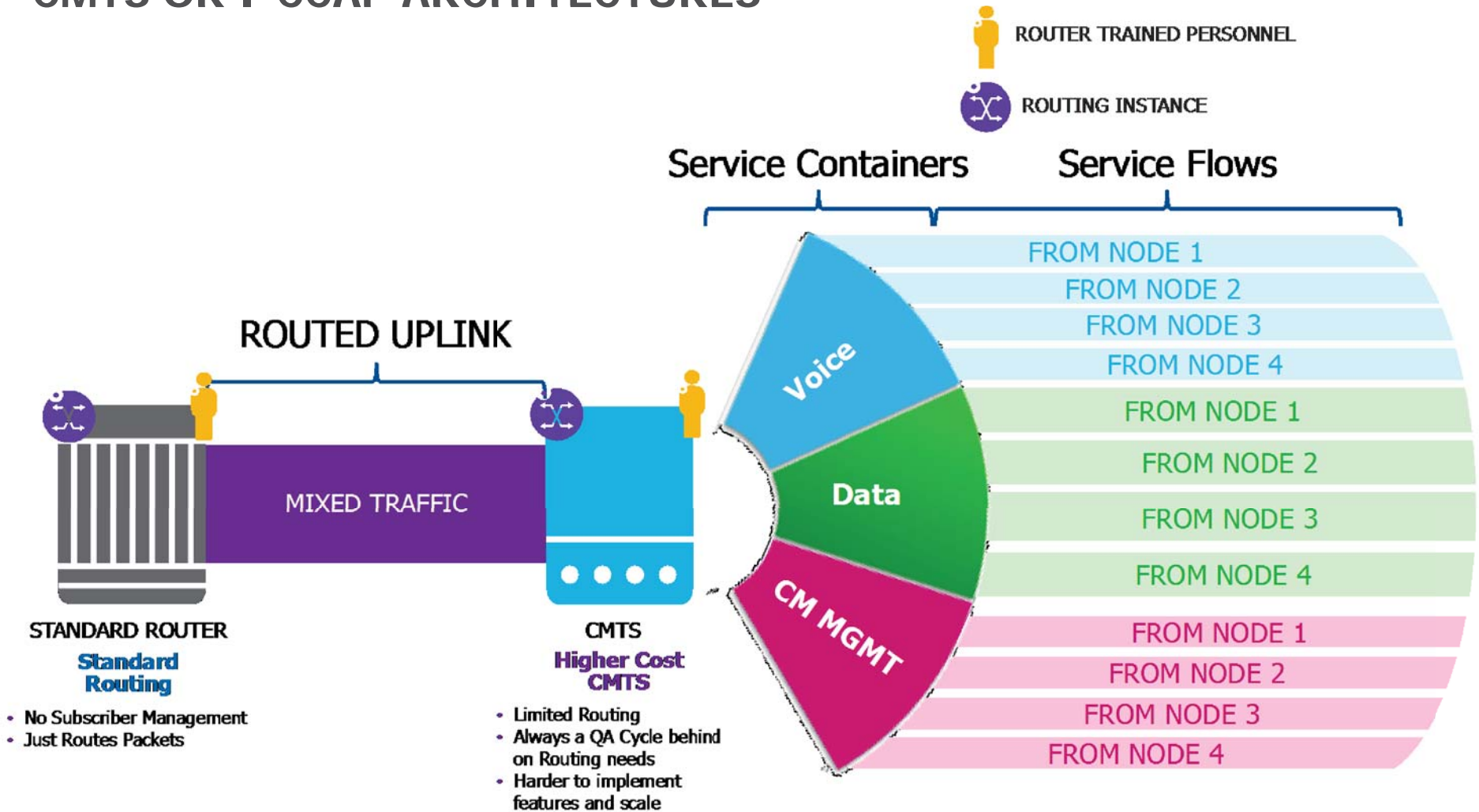


STANDARD CMTS/I-CCAP DEPLOYMENT
FOR MOST HUBS, UP TO 11 ROUTERS AND LARGE AMOUNTS OF SPACE AND POWER



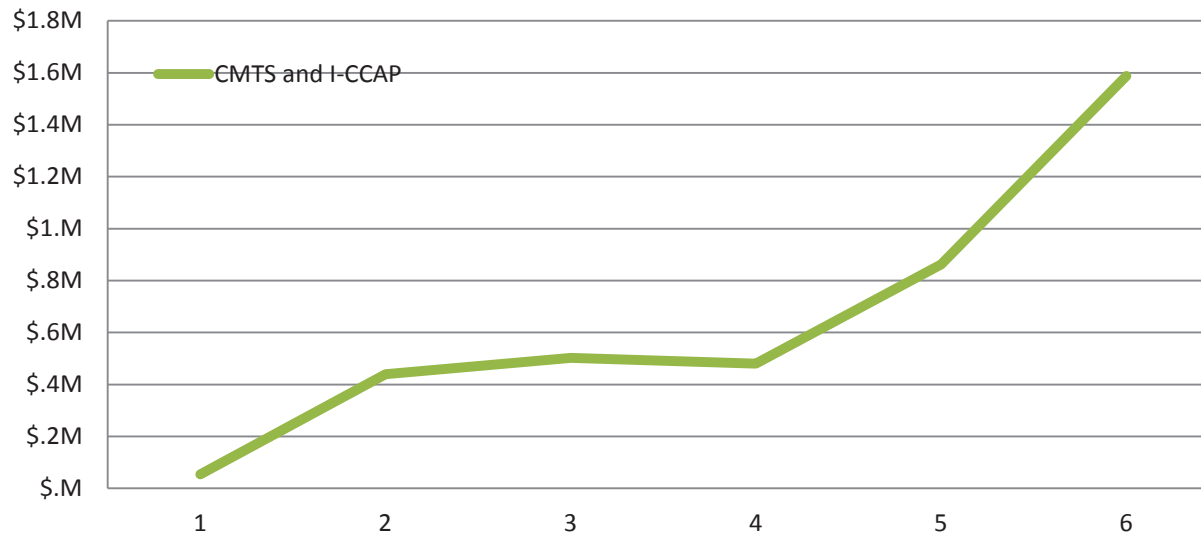
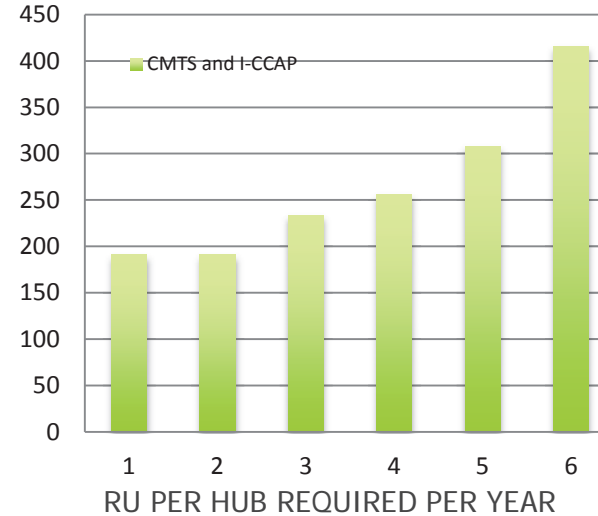
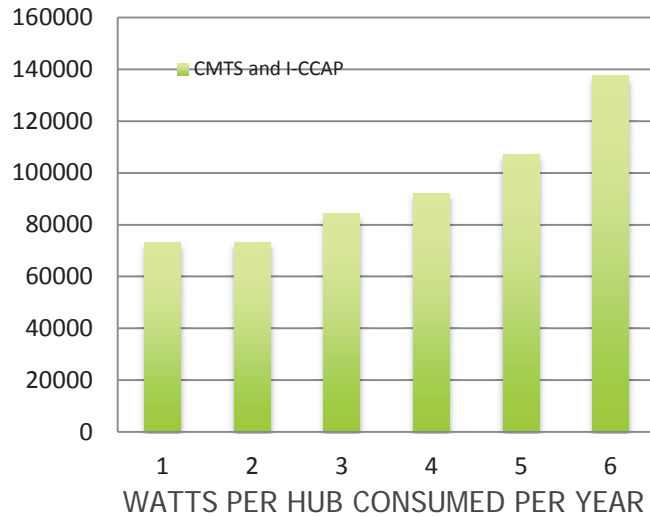
THE EDGE TRANSFORMATION

CMTS OR I-CCAP ARCHITECTURES



THE EDGETRANSFORMATION

HUB COMPLEXITY DRIVES COSTS







HUB COSTS PER YEAR FOR FLEXIBLE EDGE VS CMTS AND I-CCAP DEPLOYMENTS

Source:
Alcatel-Lucent



THE EDGE TRANSFORMATION

FLEXIBLE EDGE

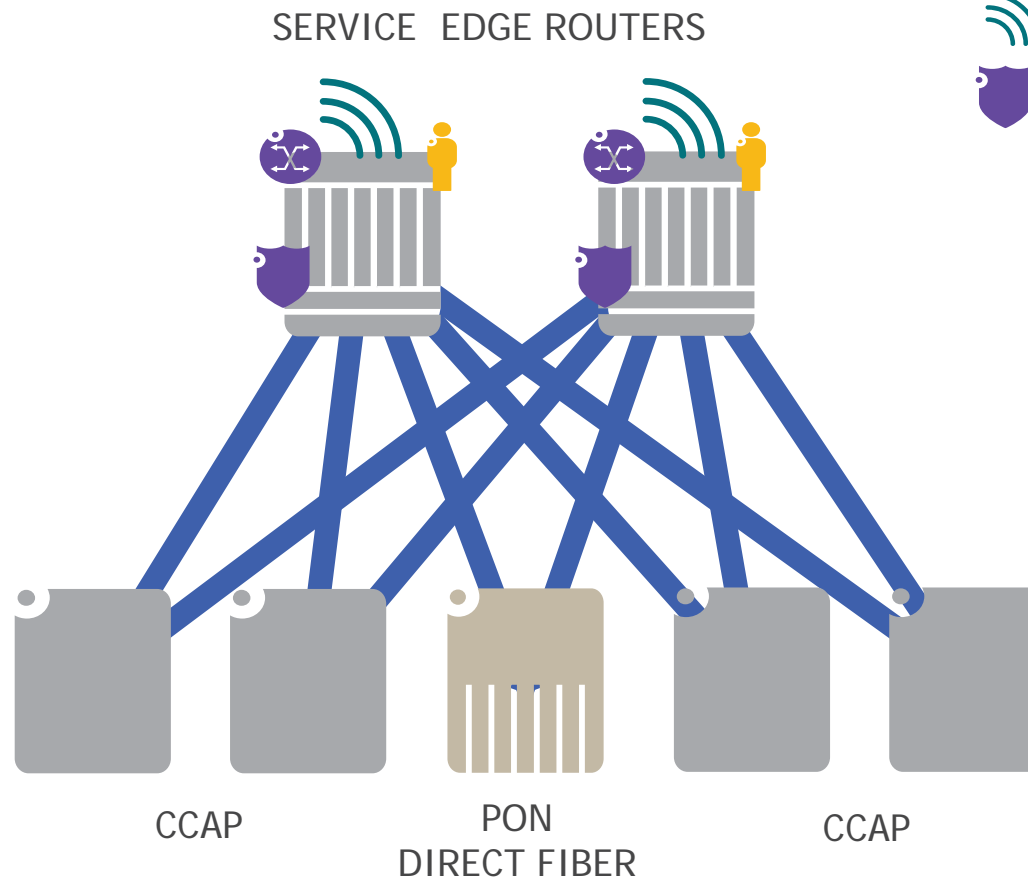
-  ROUTER TRAINED PERSONNEL
-  ROUTING INSTANCE
-  WLAN-GW
-  SECURITY AND AA

COMMERCIAL ROUTERS

THE NEED FOR SPECIALIZED COMMERCIAL ROUTERS IS ELIMINATED BECAUSE THE SERVICE ROUTER CAN EITHER ACCEPT DIRECT CONNECTIONS, OR BE PAIRED WITH A L2 ACCESS SYSTEM

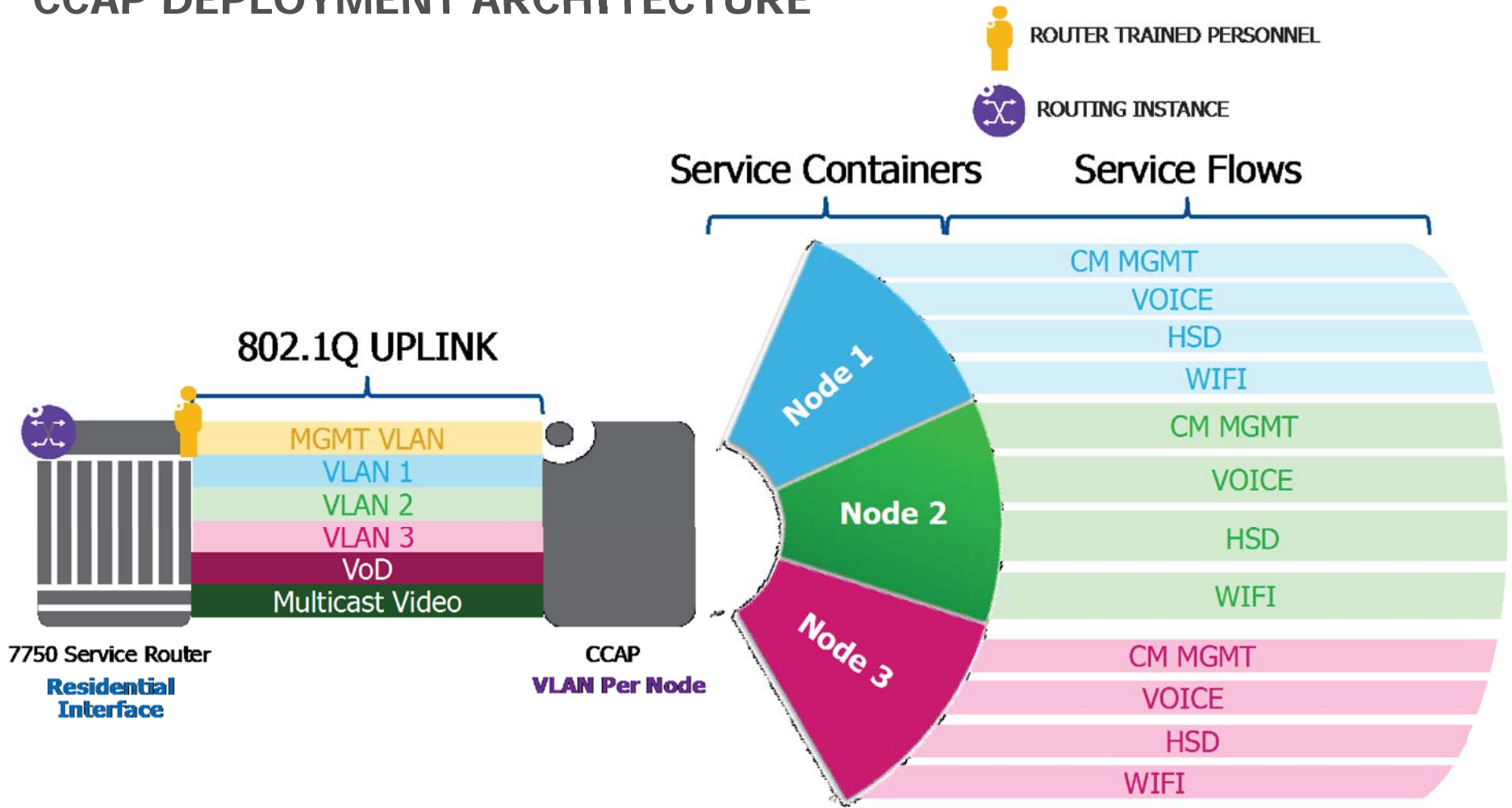
VIDEO ROUTERS

THE NEED FOR SPECIALIZED VIDEO ROUTERS IS ELIMINATED BECAUSE THE SERVICE ROUTER SENDS MULTICAST DATA DIRECTLY TO THE CCAP



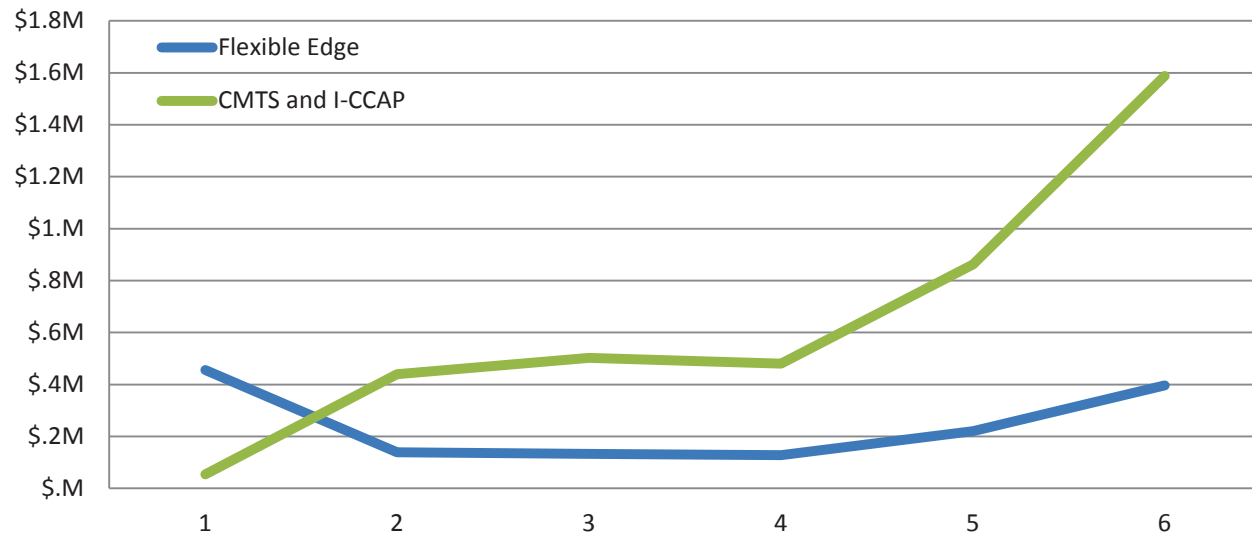
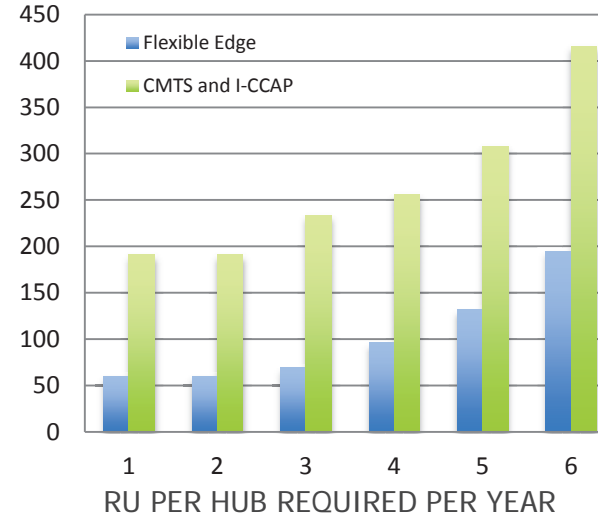
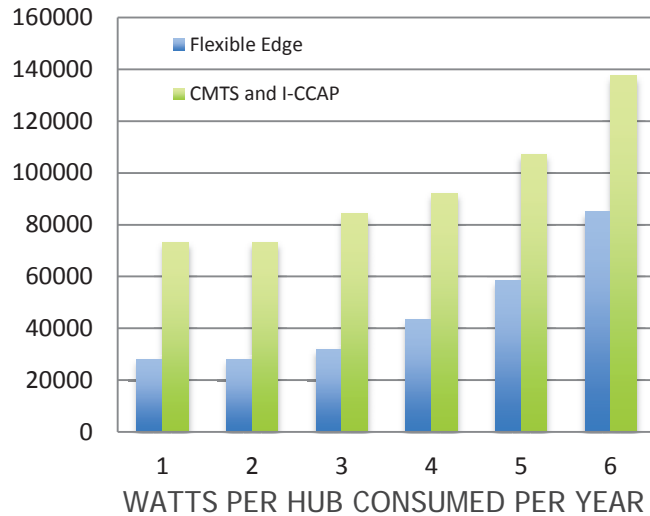
THE EDGE TRANSFORMATION

CCAP DEPLOYMENT ARCHITECTURE



THE ACCESS TRANSFORMATION

REALIZING COST EFFICIENCIES



HUB COSTS PER YEAR FOR FLEXIBLE EDGE VS CMTS AND I-CCAP DEPLOYMENTS

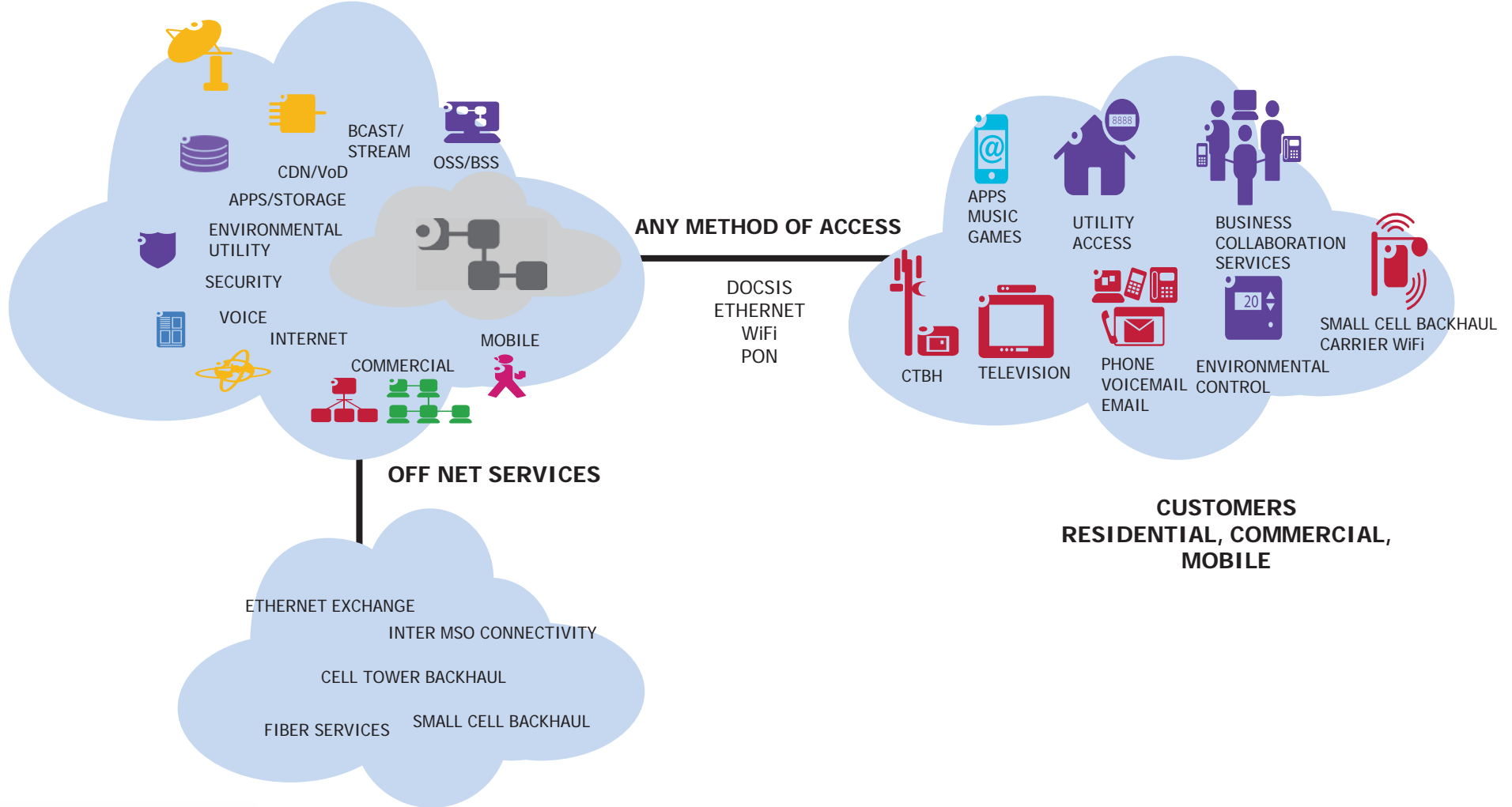
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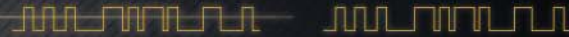


THE FUTURE MSO

CONVERGED SERVICES NETWORK

CONVERGED SERVICES NETWORK





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