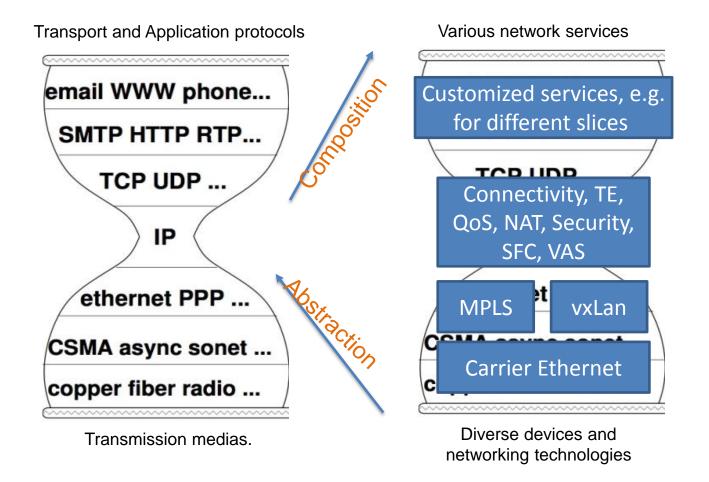
Service Component Composition

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Network Service Modeling

- Many orchestrator efforts from operators requires the network service modeling
- Ref: draft-ietf-netmod-yang-model-classification-01
- Monolithic service model (e.g. L3SM)
 - captures the entire service in a single model
 - Hard to reuse
 - Hard to extend with new features
- Service component model
 - Break services into multiple reusable components
 - Operators can flexibly compose various services for different requirements.
 - Customized services for network slicing.

Narrow Waist for Network Service Customization



Fast Adaption for New Services

Monolithic approach

Monolithic Service model

- Not fixed
- •Change with new requirements

Adaption Code

Rewrite code when north-bound model changes

Device Model

Component based approach

Customized Service Model based on composition

Service Component Model

- Clear functions
- Standard model

Adaption Code

•No need to modify

Device Model

Potential Work in IETF

- A set of service component models
- Approach/framework on service composition