

Network Services Interface

Connection Services 2.0

Schema changes

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Key decisions



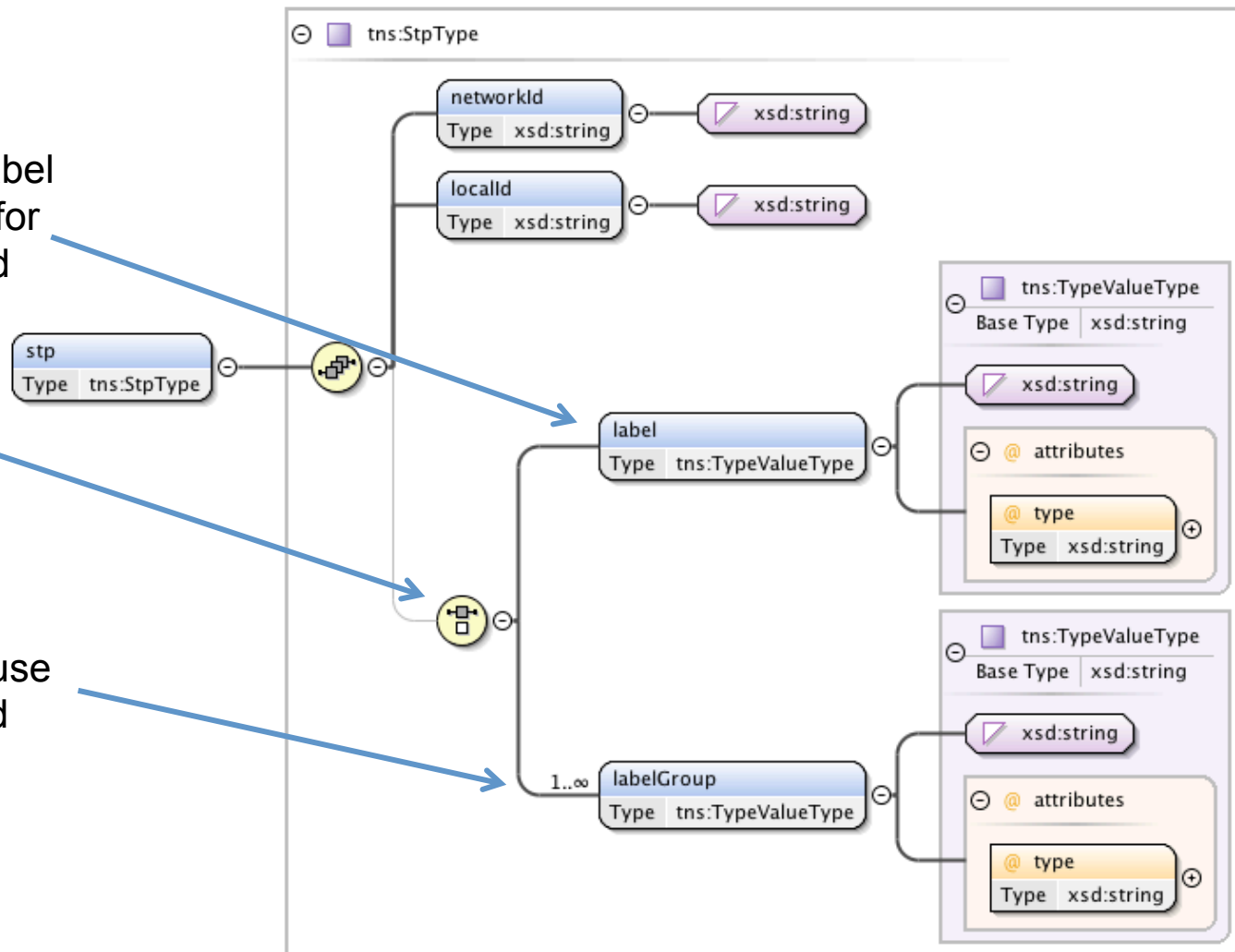
- STP alignment with NML use of Labels and LabelGroups.
- Removal EVTS specific schema structure as result of VLAN identifiers moving into label element of STP.
- Removed burstsize from ETS specific schema structure and collapsing of Ethernet specific parameters back into generic parameter structure resulting in single P2PS schema element.
- Restructuring of Service Definition schema.
- Restructuring of security attributes in NSI header.

New STP identifier definition

Singular optional label as defined in NML for use in fully qualified STP

Choice allowing for one of label or labelGroup.

List of labels as defined in NML for use in an underspecified STP

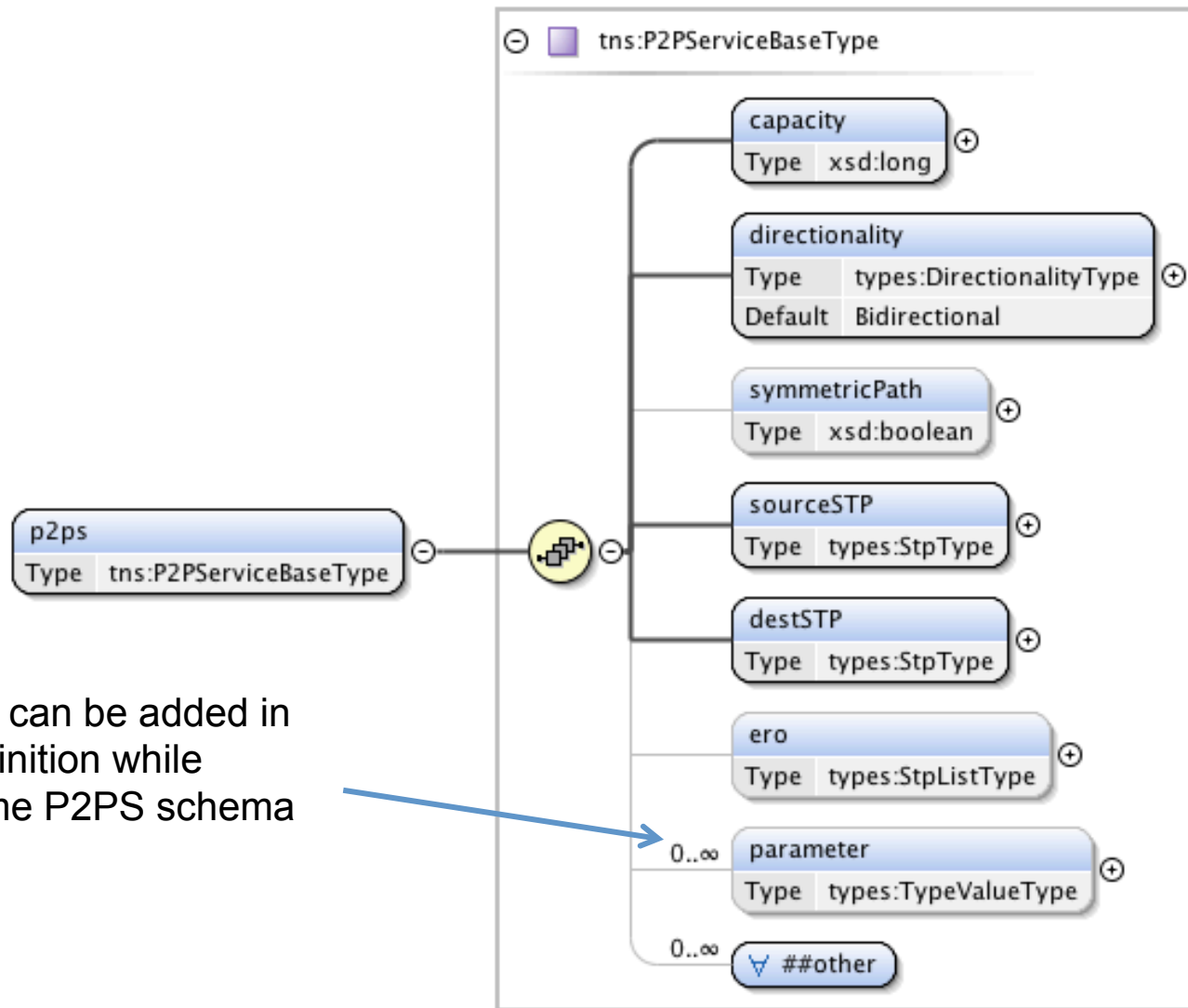


Underspecified STP



- An STP can be fully specified representing a single termination point (NML Port object), or under specified representing a set or bundle of STP (NML PortGroup object).
- Are we requiring NSA support reservation requests with underspecified STP?
- Behavior: Reservation returns a fully qualified STP as selected by the Provider NSA.

New P2PS definition

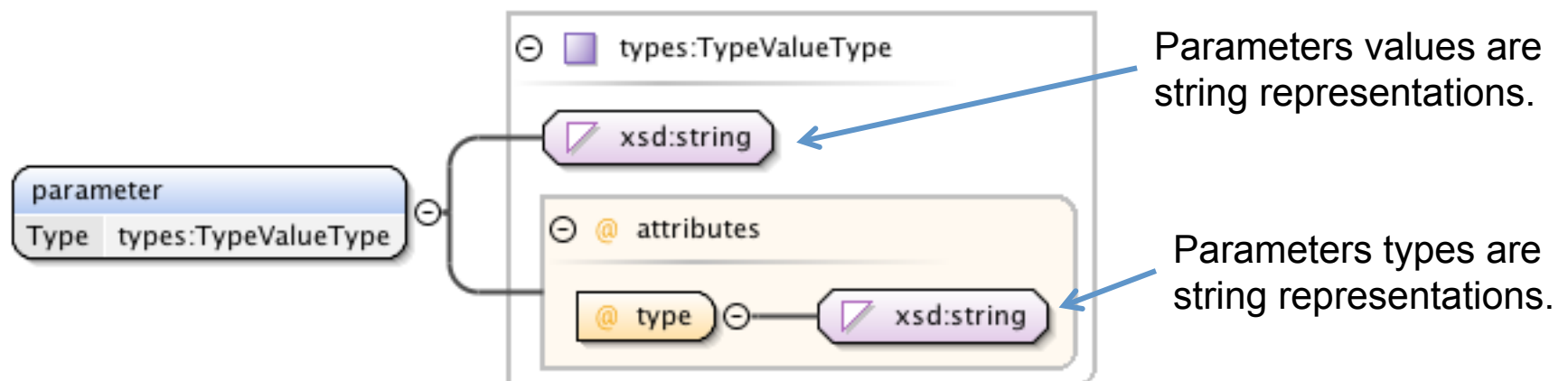


Parameters can be added in Service Definition while utilizing same P2PS schema definition.

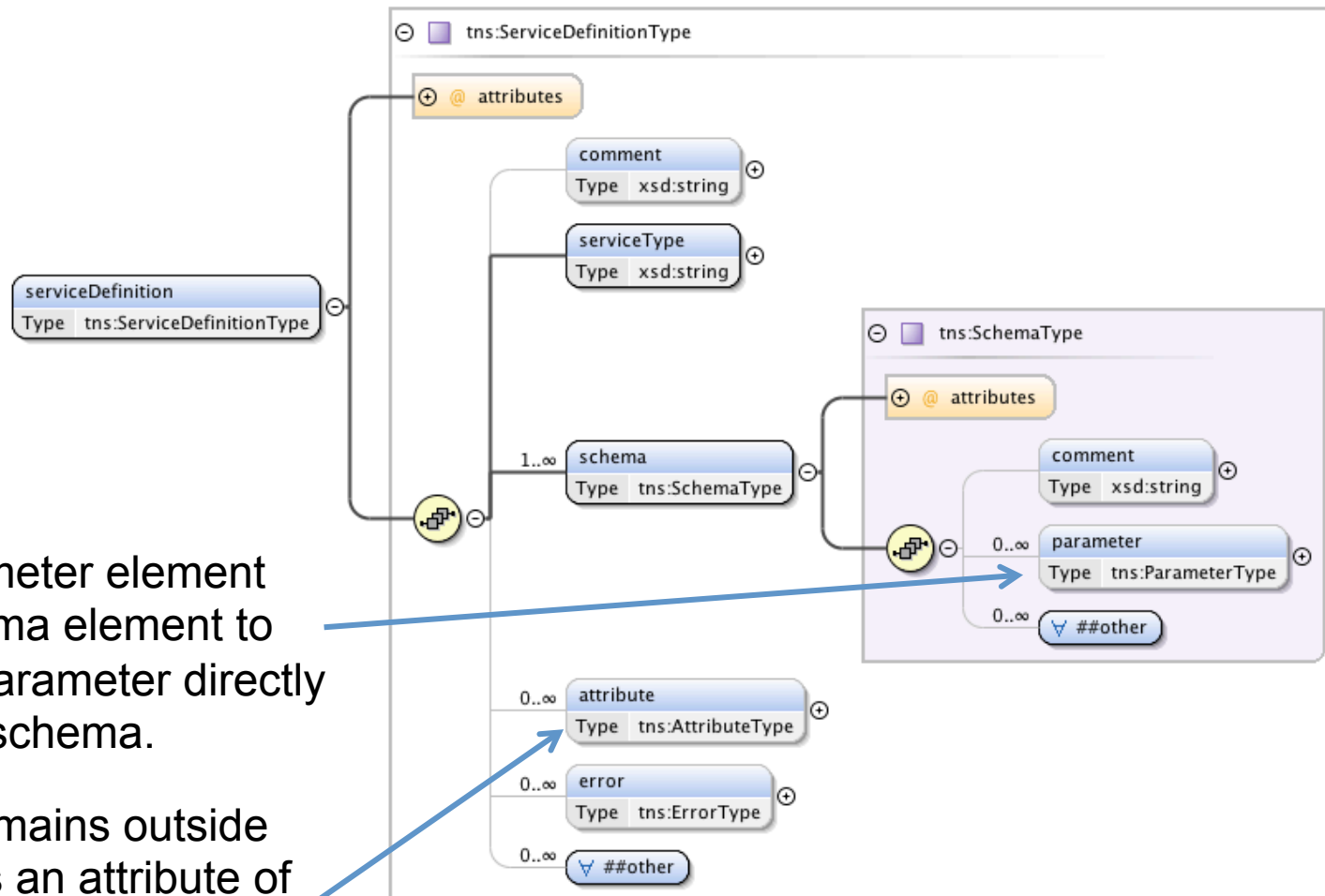
Additional Parameters

- MTU element is moved into a generic parameter element within P2PS specific schema to reduce churn as we introduce additional capabilities (cost, SRLG, etc.)

<parameter type="mtu">9000</parameter>



Service Definition



Move parameter element under schema element to relate the parameter directly to defining schema.

Attribute remains outside since this is an attribute of the service and not the specific schema.

Note: Need to add Adaptation element.

Changes to NSI header

- Recent work on security and trust have exposed limitations on current security parameter in header.
- Change will permit inclusion of multiple sessionSecurityAttr with additional identifiers (type and name).

