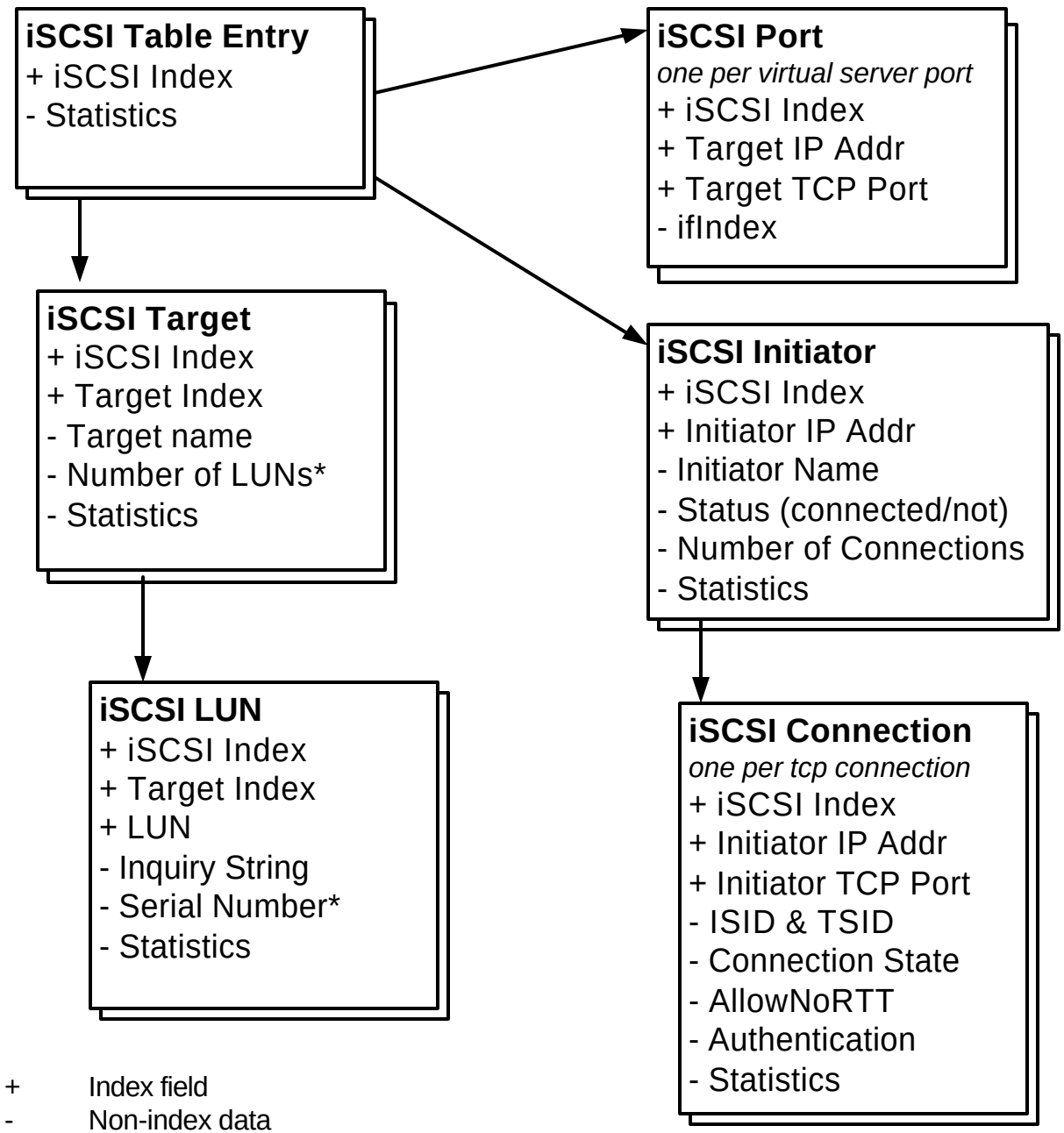
iSCSI MIB Structure



Six Tables

- iSCSI Instance Table
- Port Table
- Target Table
- LUN Table
- Initiator Table
- Connection Table

Statistics Include:

- *Counter for each iSCSI message type*
- *64-bit byte counters for read and write data*
- *Counters for errors and login rejections*

\+ Index field
\- Non-index data
* Proposed since draft was issued

iSCSI MIB Requirements

Manage the iSCSI portions of an initiator or device via SNMP

Provide an accurate object model of iSCSI for SNMP, and later CIM

Provide statistics useful in managing:

- Fault Identification
- Configuration
- Security
- Performance
- Accounting

Support multiple iSCSI "instances" within an entity served by a single SNMP agent

Support multiple IP addresses per iSCSI server

This MIB covers iSCSI, and does not attempt to manage SCSI, gateways, controllers, or other entities. This MIB must be able to work with MIBS that manage these other layers.

iSCSI MIB Work Items and Next Steps

Change from the current draft to a new model supporting initiators.

Update the MIB to reflect the current message types.

SNMP sets and row creation/deletion are not defined.

- There are many types of targets, that are managed in different ways.
- iSCSI is only a transport.
- Is this outside the scope of the MIB?

Which new SNMP traps will be needed to support our requirements?

Is a SCSI MIB necessary as well to effectively manage devices?

Form the iSCSI MIB team to finish the requirements, model, and MIB.

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iSCSI MIB Structure (Proposed)