

# ISO/IEC 24079:2024-07 (E)

## Information technology - Network Controller Sideband Interface (NC-SI) specifications collection

---

Contents	Page
Foreword.....	xi
Introduction .....	xiii
1 Scope .....	1
2 Normative references.....	2
3 Terms and definitions.....	3
3.1 Requirement term definitions.....	3
3.2 NC-SI term definitions .....	4
3.3 Numbers and number bases .....	6
3.4 Reserved fields.....	6
4 Symbols and abbreviated terms .....	6
5 Network Controller Sideband Interface (NC-SI) Specification (DSP0222) .....	8
5.1 NC-SI overview.....	8
5.2 Operational behaviors .....	14
5.3 Arbitration in configurations with multiple Network Controller packages .....	35
5.4 Packet definitions .....	45
5.5 Packet-based and op-code timing.....	105
5.6 RBT Electrical specification.....	107
6 Network Controller Sideband Interface (NC-SI) Collection (DSP0261).....	114
6.1 NC-SI over MCTP overview .....	114
6.2 NC-SI over MCTP specific considerations .....	116
6.3 Supported NC-SI commands.....	126
6.4 Message types .....	128
6.5 NC-SI support specific to MCTP transport .....	132
6.6 Packet-Based Timing Specific to MCTP Binding .....	135
ANNEX A (normative) Extending the model.....	136
A.1 Commands extension.....	136
A.2 Design considerations .....	136
ANNEX B (informative) Relationship to RMII Specification .....	137
ANNEX C (informative) Notation and conventions .....	139
Bibliography .....	140