

### Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Abbreviated terms
5	Media independent interfaces
5.1	General
5.2	RGMI
5.2.1	General
5.2.2	RGMI signals
5.2.3	Electrical signal voltage level
5.2.4	Electrical signal timing
5.2.4.1	Signal delay mode
5.2.4.2	Electrical signal timing parameters in DoD mode
5.2.4.3	Electrical signal timing parameters in DoS mode
5.2.4.4	General parameters
5.2.5	Mapping GMII signals into RGMI electrical signals
6	Wake-up and synchronised link sleep functionality
6.1	General
6.2	Power state, algorithms, and service interfaces
6.3	Neighbour physical entities
6.4	Synchronised link sleep algorithm
6.5	Wake-up algorithm
6.6	Wake I/O block
6.7	Physical entity power state
6.7.1	Physical entity power state variables
6.8	PHY service interface
6.8.1	PHY_LinkSleep.request
6.8.2	PHY_LinkSleep.indication
6.8.3	PHY_WakeUp.request
6.8.4	PHY_WakeUp.indication
6.8.5	PHY_ConfigSleepReject.request
6.8.6	PHY_SleepStatus.indication
6.8.7	PHY_LinkSleepRequestEvent.indication
6.8.8	PHY_LinkSleepRequestAbort.request
6.9	Neighbour service interface
6.9.1	NPHY_WakeUpForward.request
6.9.2	NPHY_WakeUpForward.indication
6.10	Timing requirements
6.10.1	Synchronised link sleep algorithm timing requirements
6.10.2	Wake-up algorithm timing requirements
6.10.2.1	General
6.10.2.2	Wake-up forwarding time over an active link
6.10.2.3	Wake-up forwarding time over a passive link

- 6.10.2.4** Wake-up forwarding time over MDI when called physical entity is in the sleep power state
- 6.10.2.3** Wake-up forwarding when using the optional wake I/O
- 6.10.2.6** Wake-up forwarding in the same device
- 6.11** Quiescence current

**Page count: 28**