Surinaams Standaarden Bureau

New Work Item Proposal (NWIP)

SDU-F-730-010-3

GENERAL INFORMATION	
Date of proposal: 01/08/2022	Reference number (to be given by SSB):
Proposer: TAS	**SSB 03-2022**

A proposal for a new work item shall be submitted to the SSB, which will assign it a reference number and process the proposal. The Bureau will invite the proposer for an intake meeting to review the NWIP. The proposer of a new work item could be chairpersons and members of any technical committees or subcommittees; organizations, government ministries or agencies and general public/consumers. All proposals are subject to evaluation to determine priority and acceptance in accordance with the SSB Procedures and Guidelines for standardization.

SEE GUIDANCE/ INSTRUCTIONS ON USE OF THIS FORM.

IMPORTANT NOTE: Proposals without adequate justification risk rejection or referral to the originator

PROPOSAL (to be completed by the proposer)

Title of proposed deliverable(s): *(in the case of an amendment, revision or a new part of an existing document, show the reference number and current title)*

3. Fibre- optic communication subsystem test procedures – Part 4-1: Installed cabling plant – Multimode attenuation measurement.
4. Telecommunications and exchange between information technology systems — Requirements for local and metropolitan area networks — Part 3: Standard for Ethernet
5. Industrial communication networks – High availability automation networks – Part 2: Media Redundancy Protocol (MRP).
6. Industrial communication networks – High availability automation networks – Part 3: Parallel Redundancy Protocol (PRP) and High-availability Seamless Redundancy (HSR).

Scope of the proposed deliverable(s):

Ad 3: This part of IEC 61280 is applicable to the measurement of attenuation of installed optical fibre cabling plant using multimode optical fibre. This cabling plant can include multimode optical fibres, connectors, adapters, splices, and other passive devices. This third edition constitutes a technical revision.
Ad 4: This standard defines Ethernet local area, access and metropolitan area networks. Ethernet is specified at selected speeds of operation; and uses a common media access control (MAC) specification and management information base (MIB).
Ad 5: The IEC 62439 series is applicable to high-availability automation networks based on the ISO/IEC/IEEE 8802-3 (IEEE Std 802.3) (Ethernet) technology. This part of the IEC 62439 series specifies a recovery protocol based on a ring topology, designed to react deterministically on a single failure of an inter-switch link or switch in the network, under the control of a dedicated media redundancy manager node.
Ad 6: The IEC 62439 series is applicable to high-availability automation networks based on the Ethernet technology. This fourth edition cancels and replaces the third edition published in 2016. This edition constitutes a technical revision.

Purpose and justification of the proposal: *(Describe the trade related, economic, social advantages and/or environmental conditions which would result from the development of the proposed standard)*

Ad 3: The cabling can be installed in a variety of environments including residential, commercial, industrial, and data centre premises, as well as outside plant environments. The test equipment used in this document has one single fibre connector interface or two single fibre connector interfaces. This is important for maintaining the standards when measuring.
Ad 4: This international standard is intended to encompass several media types and techniques for a variety of MAC data rates. This is important for compliance with the above standard
Ad 5: These protocols retain fully the typical Ethernet communication capabilities as used in the office world, so that the software involved remains applicable. This is important to maintain this standard with Ethernet networks.
Ad 6: This document specifies two related redundancy protocols that, in the event of failure of any network element, provide seamless switchover with zero recovery time. This is also important to maintain this standard with Ethernet networks.

Adoption of a Regional or International standard(s) *(optional)*

Title(s):

Preparatory work *(if applicable)*:

☐ A draft is attached ☐ An outline is attached ☒ An existing document to serve as an initial basis

The proposer or the proposer's organization is prepared to undertake the preparatory work required ☒ Yes ☐ No

Indication of the preferred type of National Standard(s) to be produced:

☒ Technical Specification ☐ Code of practice

Indication if the produced National Standard(s) should be made mandatory:

Note: Standards are voluntary in nature

☒ Yes ☐ No

Known patented items:

☐ Yes ☒ No if "yes", provide full information as an annex

A listing of relevant existing documents at the National, Regional and International levels *(if applicable)*:	**Relationship of project to activities of other National, Regional or International bodies** *(if applicable)*:

Liaison organizations (list of relevant National, Regional or International organizations to be engaged in the development of the deliverable(s)):

Telesur, Digicel, Parbonet, Radio & Television stations, Surtel, UCC, Datasur and ICT- as.

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Relevant Affected Stakeholders:

Telecommunication sector, ICT sector and Broadcasting sector.

Annex(es) included with this proposal *(if applicable)*:

Name and signature of Proposer (include contact information):

Name: Akoy Merle- Celeste **Organization: Telecommunicatie Autoriteit Suriname**

Contact number(s): 532523 tst 231 **Email: m.akoy@tas.sr/ j.udit@tas.sr**

Signature:

This part to be filled in by SSB

Supplementary information relating to the proposal:

- [x] This proposal relates to a new SSB document
- [ ] This proposal relates to the amendment of an existing SSB document
- [ ] This proposal is for the revision of an existing SSB document
- [ ] This proposal relates to the re-establishment of a cancelled project as an active project

Proposed development track:

- [ ] Normal development (23 months)
- [x] Identical Adoption (4 months)
- [ ] Fast track (7.5 months)
- [ ] Modified Adoption (10 months)

28 october 2022

Date of Receipt

Tanwir Hassankhan
(Deputy Director Operations)

Signature,
Head of Standards Development