Motion 2001-05-17-01

The 802.17 working group adopts an operating rule as follows: that properly formatted presentation documents in their final form shall be submitted electronically to the chair (or his designee) prior to actual delivery of said presentation to the working group

Procedural (>50%) : Time XX:XX

M: John Hawkins

S: Mike Takefman

Y: N: A:

Motion 2001-05-17-02

Motion that the IEEE 802.17 MAC interactions between stations shall be defined but not the behavior and structure within stations

Technical (=75%) : Time XX:XX

M: Harmen van As

S: Wolfram Lemppenau

Y: N: A:

Motion 2001-05-17-03

Motion that the IEEE 802.17 MAC shall have a topology discovery mechanism

Technical (=75%) : Time XX:XX

M: Harmen van As

S: Wolfram Lemppenau

Y: N: A:

Motion 2001-05-17-04

Motion that the IEEE 802.17 MAC topology discovery mechanism shall allow a station to negotiate with the adjacent stations on the parameters necessary for interoperability

Technical (=75%) : Time XX:XX

M: Harmen van As

S: Wolfram Lemppenau

Y: N: A:

Motion 2001-05-17-05

Source stations shall indicate, which of its transmitted packets should be wrapped by a failure detecting station.

Failure detecting stations shall wrap only packets that include the wrap indication.

Wrap indication to be defined in the RPR standard.

Technical (>75%) : Time XX:XX

M: Leon Bruckman

S: David Zelig

Y: N: A:

Motion 2001-05-17-06

Failure detecting stations shall send a failure indication to all the stations in the ring within T1 after detecting a failure. The indication shall be repeated once every T2 until the failure is fixed.

A station shall assume that the ring failure has been fixed if no failure indication is received within T3.

T1, T2 and T3 to be defined in the RPR standard.

Technical (=75%) : Time XX:XX

M: Leon Bruckman

S: David Zelig

Y: N: A:

Motion 2001-05-17-08

The 802.17 Standard shall support rings of up to 255 stations.

Technical (=75%) : Time XX:XX

M: Harry Peng

S: Nader Vijeh

Y: N: A:

Motion 2001-05-17-09

The 802.17 Standard shall optimize for rings of up to 1000 kilometers circumference.

Technical (=75%) : Time XX:XX

M: Bob Schiff

S: John Hawkins

Y: N: A:

Motion 2001-05-17-10

The 802.17 standard shall specify minimum and maximum frame sizes that will enable transparent bridging with 802.3.

Technical (=75%) : Time XX:XX

M: Bob Sultan

S: John Lemon

Y: N: A:

Motion 2001-05-17-10.5

- The 802.17 shall propose to 802.1 an enhanced virtualization mechanism to support customer separation.
- Technical (=75%) : Time XX:XX

M: Nader Vijeh

S: Harry Peng

Y: N: A:

Motion 15-17-01-11

Up to 64 stations shall be supported on the 802.17 ring.

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-12

MTU transparency shall **not** be addressed by the 802.17 standard.

M: B. Sultan

S: A. Sahai

Y: N: A:

Motion 15-17-01-13

Preemption shall not be addressed by the 802.17 standard

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-14

Cut-thru shall not be addressed by the 802.17 standard, but shall be treated as a system design choice

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-15

A synchronous traffic class shall not be addressed by the 802.17 standard.

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-16

The 802.17 standard shall specify a low delay traffic class that allows provisioned traffic rates with a delay bound suitable for real-time applications (deploying the buffer insertion method for ring access/transit)

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-17

The 802.17 standard shall specify a controlled loss traffic class that supports provisioned traffic rates with provisionable maximum frame loss rate depending of the maximum delay that can be tolerated or the storage available for buffering access/transit traffic (deploying the transit queuing method for ring access/transit).

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-18

The 802.17 standard shall specify a best effort traffic class for which no guarantees are provided but for which a fairness method is provided.

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-19

The 802.17 working group shall describe extensions (e.g. inclusion of a tag similar to the VLAN tag field of the MAC header) to the LLC header to support the requirement of multiplexing multiple upper-layer users on an 802.17 MAC. These requirements should be communicated to the 802.2 working group for their inclusion in the specification of LLC type 1.

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-20

802.17 shall specify *service level definitions*, analogous, for example, to those specified for *frame relay* in *FRF.13*

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-21

802.17 shall specify *operations, administration, and maintenance (OAM) analogous, for example, to those specified for frame relay in FRF.19*

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-22

802.17 shall specify a station model consistent with the *FDDI station model* except that 802.17 does not specify *primary* and *secondary rings*.

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-23

802.17 shall define *quality of service (QoS) parameters* analogous, for example, to those specified for *frame relay* in *ITU I.233.1*

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-24

802.17 shall specify eight *priority classes* similar to the 802.1p (formerly) priority classes shall be supported at the *ring ingress/egress* (including *bridges*).

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-25

802.17 shall specify a mapping between *priority classes* and *traffic classes*

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-26

priority class is **not** interpreted by transit stations on the ring

M: B. Sultan

S:A. Sahai

Y: N: A:

Motion 15-17-01-27

802.17 shall specify a virtual LAN/MAN/WAN similar to that described by the 802.1q (formerly)

M: B. Sultan

S:A. Sahai

Y: N: A: