

Bluetooth SIG Board of Directors Resolutions Regarding the Qualification Program

To the extent that anything in these resolutions conflicts with anything in the Program Reference Document (PRD) or Declaration Policy Document (DPD), these resolutions govern.

December 19th, 2017:

VII. Approve Deprecation and Withdrawal of Core Specifications and CSAs

The Executive Director presented the Board with a proposal for the deprecation and withdrawal of the following Core Specifications and CSAs:

Withdrawal of the following on July 1, 2018:

- BLUETOOTH SPECIFICATION Version 2.0 + EDR

Deprecation of the following on July 1, 2018 and withdrawal on January 1, 2020:

- BLUETOOTH SPECIFICATION Version 2.1 + EDR

- Bluetooth Core Specification Addendum 1
- BLUETOOTH SPECIFICATION Version 3.0 + HS
- BLUETOOTH SPECIFICATION Version 4.0
- Bluetooth Core Specification Addendum 2
- Bluetooth Core Specification Addendum 3 rev. 2
- Bluetooth Core Specification Addendum 4

Deprecation of the following on January 1, 2019 and withdrawal on July 1, 2020:

- BLUETOOTH SPECIFICATION Version 4.1

The Executive Director also presented the Board with a proposal for how deprecated and withdrawn specifications will be treated, proposed to be effective as of July 1, 2018. The Executive Director proposed that (a) once a specification is deprecated it will not be maintained (Errata and TSEs will not be processed for that specification) and members will only be permitted to complete Qualifications/Declarations that refer to/use existing qualified products that use that specification, and (b) once a specification is withdrawn it will not be maintained (Errata and TSEs will not be processed for that specification) and members will not be permitted to complete any Qualification/Declaration for any product using that specification and will not be able to add new models to existing Qualifications/Declarations that use that specification.

The Executive Director also led the board in a discussion of the proposed cancellation, proposed to be effective as of July 1, 2018, of the Corporation's current policy allowing for qualification of new designs under deprecated specifications for a fee of \$25,000.

Pursuant to the Bylaws, the approval of this item is not specified; therefore, pursuant to § 6.14 of the Bylaws, it may be approved by a majority of the directors present at a meeting duly held at which a quorum is present. After review and discussion, on motion duly made, seconded, and adopted in accordance with the Bylaws, it was

RESOLVED, Approving the deprecation and withdrawal of the above named Core Specifications and CSAs, on the timelines noted above.

RESOLVED, Approving that effective July 1, 2018 (a) once a specification is deprecated it will not be maintained (Errata and TSEs will not be processed for that specification) and members will only be permitted to complete Qualifications/Declarations that refer to/use existing qualified products that use that specification, and (b) once a specification is withdrawn it will not be maintained (Errata and TSEs will not be processed for that specification) and members will not be permitted to complete any Qualification/Declaration for any product using that specification and will not be able to add new models to existing Qualification/Declarations that use that specification.

RESOLVED, Approving the cancellation of the Corporation's current policy allowing for qualification of new designs under deprecated specifications for a fee of \$25,000, with such cancellation to be effective as of July 1, 2018.

RESOLVED, Directing the Corporation's staff to notify the members of the Corporation of such deprecation and withdrawal and further directing the Corporation's staff to encourage the members of the Corporation to use the latest version of the Bluetooth Specification.

April 3rd, 2018:

III. Update to the Deprecation and Withdrawal Resolution from 12/19/17

The Chairman reminded the Board of the December 19, 2017 decision to deprecate and withdraw certain Core Specifications and CSAs and the corresponding decision to cancel the Corporation's policy of allowing for qualification of new designs under deprecated specifications for a fee of \$25,000 and further reminded the Board that, following a review of member feedback during the March 13, 2018 face-to-face meeting and accompanying discussion, it is proposed to amend the timing of these decisions in order to provide members with more time to make the necessary preparations set forth under subsections A and B as follows:

A. Deprecation and Withdrawal of Certain Core Specifications and CSAs

1. Withdrawal of the following on January 1, 2019:
 - BLUETOOTH SPECIFICATION Version 2.0 + EDR
2. Deprecation of the following on January 1, 2019 and withdrawal on July 1, 2020:
 - BLUETOOTH SPECIFICATION Version 2.1 + EDR
 - Bluetooth Core Specification Addendum 1
 - BLUETOOTH SPECIFICATION Version 3.0 + HS
 - BLUETOOTH SPECIFICATION Version 4.0
 - Bluetooth Core Specification Addendum 2
 - Bluetooth Core Specification Addendum 3 rev. 2
 - Bluetooth Core Specification Addendum 4
 - BLUETOOTH SPECIFICATION Version 4.1

Pursuant to § 9.2 of the Bylaws, this item requires the approval of four-fifths of the members of the Specification Adoption Committee, which also constitutes a majority of the entire Board of Directors.

B. Cancellation of Policy Regarding Qualification of New Designs under Deprecated Specifications

Cancellation of policy allowing for qualification of new designs under deprecated specifications for a fee of \$25,000 on January 1, 2019.

This item requires approval of a majority of the entire Board of Directors but the unanimous approval of the entire Board of Directors is being sought.

C. Notification of Members

The vote for this item is not specified by the Bylaws; therefore, pursuant to § 6.14 of the Bylaws, this matter may be approved by a majority of the directors present at a meeting duly held at which a quorum is present.

After review and discussion, on motion duly made, seconded, and adopted in accordance with the Bylaws, it was unanimously approved by the entire Board of Directors as follows:

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RESOLVED, Approving the amendment to the timing of the deprecation and withdrawal of the above named Core Specifications and CSAs, on the timelines noted above.

RESOLVED, Approving the amendment to the timing of the cancellation of the Corporation's current policy allowing for qualification of new designs under deprecated specifications for a fee of \$25,000, with such cancellation to be effective as of January 1, 2019.

RESOLVED, Directing the Corporation's staff to notify the members of the Corporation of the foregoing approval(s).

IV. Approve Policy to Encourage Members to Update Their Qualifications to the Latest Specification Version

The Executive Director presented the proposed policy to encourage members to update their qualifications to the latest specification version and also highlighted adjustments to the policy draft that were made after discussion with the API Task Force. The Board reviewed and discussed the following proposed policy to encourage members to update their qualifications to the latest specification:

Members with an existing qualification will be able to update that qualification to the latest specification version by completing any tests that have changed or been added since their original qualification and, provided that the only changes to what was previously qualified are changes to update the existing features in the original qualification to the current requirements of the latest specification and the changes do not include the addition or removal of any features, members will not be required to pay any fee for doing so. The SIG will advise those updating members which tests have been changed or been added since the original qualification. In addition, any members referring to the original qualification will be advised by the SIG of the availability of the upgraded qualification and will be permitted to update their referring qualifications/declarations to refer to the upgraded qualification and will not be charged a fee for doing so. The SIG will have the sole discretion regarding how to operationally implement this policy, including whether existing qualification or declaration records will be modified or new records will be created.

The vote for this item is not specified by the Bylaws, therefore, pursuant to § 6.14 of the Bylaws, this matter may be approved by a majority of the directors present at a meeting duly held at which a quorum is present. After review and discussion, upon motion duly made and seconded it was

RESOLVED, Approving the foregoing policy to encourage members to update their qualifications to the latest specification.

May 1st, 2018:

II. Report: Action by Unanimous Written Consent of the Board relating to Deprecation and Withdrawal of Specifications

The Secretary reported that the resolutions set forth below were adopted in accordance with § 6.17 of the Bylaws by unanimous written consent of the Board, effective April 5, 2018:

WHEREAS, on December 19, 2017, the Board approved a resolution specifying that, effective July 1, 2018, (a) once a specification is deprecated it will not be maintained (Errata and TSEs will not be processed for that specification) and members will only be permitted to complete Qualifications/Declarations that refer to/use existing qualified products that use that specification, and (b) once a specification is withdrawn it will not be maintained (Errata and TSEs will not be processed for that specification) and members will not be permitted to complete any Qualification/Declaration for any product using that specification and will not

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be able to add new models to existing Qualification/Declarations that use that specification (such resolution, the "Prior Resolution"); and

WHEREAS, it is proposed to amend the timing of the foregoing decision so that it becomes effective on January 1, 2019 in order to provide members with more time to make the necessary preparations in connection therewith.

NOW, THEREFORE, IT IS RESOLVED, Approving that, effective January 1, 2019, (a) once a specification is deprecated it will not be maintained (Errata and TSEs will not be processed for that specification) and members will only be permitted to complete Qualifications/Declarations that refer to/use existing qualified products that use that specification, and (b) once a specification is withdrawn it will not be maintained (Errata and TSEs will not be processed for that specification) and members will not be permitted to complete any Qualification/Declaration for any product using that specification and will not be able to add new models to existing Qualification/Declarations that use that specification.

RESOLVED, Directing the Corporation's staff to notify the members of the Corporation once the foregoing approval is obtained.

September 11th, 2018:

VII. Approve Deprecation & Withdrawal Phase 2

Mark Powell presented the Board with a proposal for the deprecation of the following specifications (the "Specifications") effective on January 1, 2020 and withdrawal of such Specifications effective on January 1, 2021:

- 3D Synchronization Profile 1.0.1
- 3D Synchronization Profile 1.0.2
- Advanced Audio Distribution Profile 1.0
- Advanced Audio Distribution Profile 1.3
- A/V Control Transport Protocol 1.0
- A/V Distribution Transport Protocol 1.0
- A/V Remote Control Profile 1.0
- A/V Remote Control Profile 1.3
- A/V Remote Control Profile 1.6
- Continuous Glucose Monitoring Profile 1.0
- Continuous Glucose Monitoring Service 1.0
- File Transfer Profile 1.3
- Generic A/V Distribution Profile 1.0
- Generic Object Exchange Profile 2.1
- Generic PIM Profile 1.0
- Hands-Free Profile 1.5
- Hands-Free Profile 1.7

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- Human Interface Device Profile 1.1
- Link Loss Service 1.0
- Message Access Profile 1.1
- Message Access Profile 1.2
- Message Access Profile 1.2.1
- Message Access Profile 1.2.2
- Object Push Profile 1.2
- Phone Book Access Profile 1.1.1
- Phone Book Access Profile 1.2
- Proximity Profile 1.0
- SIM Access Profile 1.1
- Synchronization Profile 1.2

Pursuant to § 9.2 of the Bylaws, this item requires the approval of four-fifths of the members of the Specification Adoption Committee, which also constitutes a majority of the entire Board.

RESOLVED, Approving the deprecation and withdrawal of the above-named Specifications, such deprecations effective January 1, 2020 and such withdrawals effective January 1, 2021, and **Directing** the Corporation's staff to notify the Members of the Corporation of the foregoing approval.

October 2nd, 2018:

V. **Update D&W Release Date to 28 January 2019**

The Chairman reminded the Board of (i) the December 19, 2017 Board action to deprecate and withdraw certain Core Specifications and CSAs and (ii) the April 3, 2018 Board action to amend the timing of such deprecation and withdrawal to provide members with more time to make the necessary preparations in connection therewith. Following a discussion by the Board, it was proposed that the timing of the depreciations and withdrawals set forth below be further amended as follows:

1. Withdrawal of the following on January 28, 2019:
 - BLUETOOTH SPECIFICATION Version 2.0 + EDR
2. Deprecation of the following on January 28, 2019 and withdrawal on July 1, 2020:
 - BLUETOOTH SPECIFICATION Version 2.1 + EDR
 - Bluetooth Core Specification Addendum 1
 - BLUETOOTH SPECIFICATION Version 3.0 + HS

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- BLUETOOTH SPECIFICATION Version 4.0
- Bluetooth Core Specification Addendum 2
- Bluetooth Core Specification Addendum 3 rev. 2
- Bluetooth Core Specification Addendum 4
- BLUETOOTH SPECIFICATION Version 4.1

Pursuant to § 9.2 of the Bylaws, this item requires the approval of four-fifths of the members of the Specification Adoption Committee, which also constitutes a majority of the entire Board of Directors.

After review and discussion, on motion duly made, seconded, and adopted in accordance with the Bylaws, it was approved by the entire Board of Directors as follows:

RESOLVED, Approving the amendment to the timing of the deprecation and withdrawal of the above named Core Specifications and CSAs, on the timelines noted above, and **Directing** the Corporation's staff to notify the members of the Corporation of the foregoing amendments.

October 16th, 2018:

III. Further Updates to D&W Schedule

The Chairman reminded the Board of (i) the December 19, 2017 Board action to deprecate and withdraw certain Core Specifications and CSAs and (ii) the April 3, 2018 and October 2, 2018 Board actions to amend the timing of such deprecations and withdrawals to provide members with more time to make the necessary preparations in connection therewith (collectively, the “D&W Updates”).

The Chairman further reminded the Board of:

- A. (i) the December 19, 2017 Board action approving the cancellation of the Corporation’s policy allowing for qualification of new designs under deprecated specifications for a fee of \$25,000 (the “Policy Cancellation”), to be effective as of July 1, 2018, and (ii) the April 3, 2018 Board action to amend the timing of such cancellation so that it is effective as of January 1, 2019.
- B. (i) the December 19, 2017 Board action approving a resolution specifying that, effective July 1, 2018, (x) once a specification is deprecated, it will not be maintained (Errata and TSEs will not be processed for that specification) and members will only be permitted to complete Qualifications/Declarations that refer to/use existing qualified products that use that specification, and (y) once a specification is withdrawn it will not be maintained (Errata and TSEs will not be processed for that specification) and members will not be permitted to complete any Qualification/Declaration for any product using that specification and will not be able to add new models to existing Qualification/Declarations that use that specification (the “D&W Effects”), and (ii) the April 5, 2018 Board action to amend the effective date of such D&W Effects from July 1, 2018 to January 1, 2019.

Following a discussion by the Board, it was proposed that, in connection with the D&W Updates, (i) the effective date of the Policy Cancellation be extended to January 28, 2019 and (ii) the effective date of the D&W Effects be extended to January 28, 2019.

Item 3(A) requires the approval of a majority of the entire Board, and, pursuant to § 9.2 of the Bylaws, item 3(B) requires the approval of four-fifths of the members of the Specification Adoption Committee, which also constitutes a majority of the entire Board.

After review and discussion, on motion duly made, seconded, and adopted in accordance with the Bylaws, it was approved by the Board as follows:

RESOLVED, Approving the amendment to the effective date of the Policy Cancellation and the D&W Effects, such that the effective date is extended from January 1, 2019 to January 28, 2019, and **Directing** the Corporation’s staff to notify the members of the Corporation of the foregoing amendments.

December 18th, 2018

XI. Approve Further Updates to Deprecation and Withdrawal Schedule

The Executive Director presented the Board with a proposed update to the deprecation and withdrawal schedule, including a proposal to extend the withdrawal date of the following Core Specifications and CSAs:

Withdrawal of the following on February 1, 2022:

- BLUETOOTH SPECIFICATION Version 4.0
- Bluetooth Core Specification Addendum 2
- Bluetooth Core Specification Addendum 3 rev.2
- Bluetooth Core Specification Addendum 4

Withdrawal of the following on February 1, 2023:

- BLUETOOTH SPECIFICATION Version 4.1

Pursuant to § 9.2 of the Bylaws, this item requires the approval of four-fifths of the members of the Specification Adoption Committee, which also constitutes a majority of the entire Board of Directors.

After review and discussion, on motion duly made, seconded, and adopted in accordance with the Bylaws, it was

RESOLVED, Approving the amendment to the timing of the withdrawal of the above named Core Specifications and CSAs, on the timelines noted above, and **Directing** the Corporation's staff to notify the members of the Corporation of the foregoing amendments.

January 15th, 2019:

II. Report: Action by Unanimous Written Consent of the Board

The Secretary reported that the resolutions set forth below were adopted in accordance with the Bylaws by unanimous written consent of the Board, effective as of December 19, 2018:

RESOLVED, that the requirement in Section 3.1.2 of PRD v2.3 detailing the Evidence Requirement for Test Cases with a Category A shall be amended as follows: "Cat A tests in the areas RF, RF-PHY, BB, LL, LMP, and HCI, shall be performed and documented in a test report issued by a BQTF or BRTF. Cat A tests in all other areas can be performed by the Member."

February 12th, 2019:

VI. Approve Delay in the timing of Deprecation and Withdrawal of certain Profiles

The Executive Director provided an overview of 1) feedback that had been received from certain Members that they will not be able to support implementation of the Next Generation Audio specifications if they must also prepare for the deprecation of certain profile specifications set forth in List 1 and List 2 below on the dates agreed to by the Board on 11 September 2018, and 2) a proposal from certain Members that the Board delay the dates of deprecation and withdrawal for the profile specifications set forth in List 1 & List 2 below for 1 year. The Executive Director also explained that the qualification data presented to the Board in support of the Board's 11th September, 2018 decision indicates low rates of qualifications based on the profiles specifications in List 2 and that deprecation and withdrawal dates of those specifications may not need to be delayed.

List 1

- Advanced Audio Distribution Profile 1.3
- A/V Remote Control Profile 1.6
- Continuous Glucose Monitoring Profile 1.0
- Continuous Glucose Monitoring Service 1.0
- Generic Object Exchange Profile 2.1
- Generic PIM Profile 1.0
- Hands-Free Profile 1.7
- Human Interface Device Profile 1.1
- Link Loss Service 1.0
- Message Access Profile 1.2
- Object Push Profile 1.2
- Phone Book Access Profile 1.1.1
- Phone Book Access Profile 1.2
- Proximity Profile 1.0
- SIM Access Profile 1.1
- Synchronization Profile 1.2

List 2

- 3D Synchronization Profile 1.0.1
- 3D Synchronization Profile 1.0.2
- Advanced Audio Distribution Profile 1.0
- A/V Control Transport Protocol 1.0
- A/V Distribution Transport Protocol 1.0
- A/V Remote Control Profile 1.0
- A/V Remote Control Profile 1.3
- File Transfer Profile 1.3
- Generic A/V Distribution Profile 1.0
- Hands-Free Profile 1.5
- Message Access Profile 1.1
- Message Access Profile 1.2.1
- Message Access Profile 1.2.2

Pursuant to § 9.2 of the Bylaws, this item requires the approval of four-fifths of the members of the Specification Adoption Committee, which also constitutes a majority of the entire Board. After review and discussion, on motion duly made and seconded, it was

RESOLVED, Approving the delay of the dates that the above-named specifications in List 1 and List 2 are deprecated and withdrawn, so that the effective date of deprecation will be February 1, 2021 and the effective date of withdrawal will be February 1, 2022, and **Directing** the Corporation's staff to notify the Members of the Corporation of the foregoing approval.

June 20th, 2020:

8. **Approve Termination of Qualification Upgrade Program**

The Executive Director led the Board in a discussion of a proposal to end the Qualification Upgrade Program.

Pursuant to the Bylaws, the approval of this item is not specified; therefore, pursuant to § 6.15 of the Bylaws, this matter may be approved by a majority of the directors present at a meeting duly held at which a quorum is present. After review and discussion, upon motion duly made, seconded and adopted in accordance with the Bylaws, it was

RESOLVED, Approving the termination of the Qualification Upgrade Program, effective January 8th, 2021.