

## Pathway Forward

This email ballot was sent only to members and officers of WG PC57.91. Survey Monkey was used as a polling platform. While each person should only be able to vote once, there were cases where there were duplicate names entered. The individual tally by responder was pulled and where there were multiple votes by one person, the last vote entered is what was recorded. 31 of 53 members (59%) of the membership responded to the email ballot so a quorum was achieved.

| Preference  | Votes (Percentage) |
|---|--------------------|
| Continue with the present mark-up PLUS correct bubble evolution equations and Clause 7 equation errors identified by one member under the existing PAR schedule (expires December 31, 2021)   | 13 (42%)           |
| Continue with the present mark-up PLUS correct bubble evolution equations and Clause 7 equation errors identified by one-member PLUS review the thermal models in the Guide, select most appropriate thermal models to update/present, update mathematical equations to the differential form, suggest ways to solve these equations, consider merging Clause 7 with Annex G, examples, etc. Request a ~2 year PAR extension in 2021. | 18 (58%)           |

## December 4, 2020 Meeting Minutes Approval

|   | Yes | No | Abstain |
|---|-----|----|---------|
| I approve the draft meeting minutes as emailed for the December 4, 2020 WEBEX Call. | 28  | 0  | 3       |

## Individual Responses

| Name            | Q1 A (current PAR) | Q1 B (PAR Extension) | 12/4 Minutes Approve | 12/4 Minutes Disapprove | 12/4 Minutes Abstain |
|-----------------|--------------------|----------------------|----------------------|-------------------------|----------------------|
| David Wallach   | X                  |                      | X                    |                         |                      |
| Kumar Mani      |                    | X                    | X                    |                         |                      |
| Bruce Webb      | X                  |                      | X                    |                         |                      |
| Lee Matthews    | X                  |                      | X                    |                         |                      |
| Jeffrey Wright  |                    | X                    | X                    |                         |                      |
| Mickel Saad     |                    | X                    | X                    |                         |                      |
| George Frimpong |                    | X                    | X                    |                         |                      |
| Paul Dolloff    |                    | X                    |                      |                         | X                    |
| Stacey Kessler  |                    | X                    | X                    |                         |                      |
| Sam Sharpless   | X                  |                      | X                    |                         |                      |
| Tim Raymond     |                    | X                    | X                    |                         |                      |
| Oleg Roizman    |                    | X                    | X                    |                         |                      |
| Terrence Martin | X                  |                      | X                    |                         |                      |
| Ali Naderian    | X                  |                      | X                    |                         |                      |

| Name                | Q1 A (current PAR) | Q1 B (PAR Extension) | 12/4 Minutes Approve | 12/4 Minutes Disapprove | 12/4 Minutes Abstain |
|---------------------|--------------------|----------------------|----------------------|-------------------------|----------------------|
| Wallace Binder      |                    | X                    | X                    |                         |                      |
| Emilio Morales-Cruz |                    | X                    | X                    |                         |                      |
| David Calitz        |                    | X                    | X                    |                         |                      |
| Roger Hayes         | X                  |                      | X                    |                         |                      |
| Daniel Blaydon      |                    | X                    | X                    |                         |                      |
| Brad Staley         |                    | X                    | X                    |                         |                      |
| Bruce Forsyth       | X                  |                      |                      |                         | X                    |
| John John           | X                  |                      | X                    |                         |                      |
| Giles Bargone       |                    | X                    |                      |                         | X                    |
| Sheldon Kennedy     | X                  |                      | X                    |                         |                      |
| Weijun Li           | X                  |                      | X                    |                         |                      |
| Saramma Hoffman     |                    | X                    | X                    |                         |                      |
| Eric Doak           | X                  |                      | X                    |                         |                      |
| Rogério Verdolin    | X                  |                      | X                    |                         |                      |
| Mark Tostrud        |                    | X                    | X                    |                         |                      |
| Darrell Mangubat    |                    | X                    | X                    |                         |                      |
| Steven Schappell    |                    | X                    | X                    |                         |                      |