Development of Health System Readiness Assessment Tool (HS-RAT) for malaria elimination in the Greater Mekong Subregion

REPORT ON DELPHI CONSULTATION ROUND-1

August 2025

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Glossary of abbreviations

GMS	Greater Mekong Subregion
HS-RAT	Health System Readiness Assessment Tool
Lao PDR	Lao People's Democratic Republic
NMEP	National Malaria Elimination Programme
WHO	World Health Organization

Executive summary

Countries in the Greater Mekong Subregion are committed to eliminating malaria by 2030. Achieving this goal requires health systems to be adequately prepared to integrate new policies, processes, and interventions. However, a comprehensive tool that evaluates readiness for malaria elimination across all WHO health system building blocks is currently lacking. Based on the findings of a recent qualitative study conducted in the Greater Mekong Subregion, a readiness assessment tool was drafted. The tool consisted of two sections: one for national-level users and one for sub-national-level users. Each section included questions to evaluate the readiness of each WHO health system building blocks: service delivery, surveillance, elimination workforce, products and commodities, programme financing, and leadership and governance. During the first round of Delphi consultation, 107 questions were reviewed by 24 experts. Of these, 36 were endorsed without changes or with minor revisions, 18 were discarded from the health system readiness assessment tool (HS-RAT), and 53 underwent major revisions. Additionally, 36 questions were added to the HS-RAT as per experts' suggestion. During the final round of Delphi consultation, experts will be requested to review the 53 questions that underwent major revisions and 36 newly added questions.

Introduction

Countries in the Greater Mekong Subregion (GMS) – Cambodia, Lao People's Democratic Republic (PDR), Myanmar, Thailand and Vietnam – have committed to eliminating malaria by 2030. To achieve malaria elimination by 2030, each GMS country developed its National Malaria Elimination Plan in the context of its existing health system capacity. Malaria elimination is a continuous process that needs intervention packages tailored for a country's particular setting. To achieve malaria elimination certification, the National Malaria Elimination Programmes (NMEPs) need to be supported by a well-prepared health system. Health system readiness is crucial for malaria elimination programmes because it ensures that health systems can effectively host the elimination phase activities and successfully prevent, detect, and manage malaria cases in order to interrupt the onwards transmission. On the other hand, the lack of preparedness and readiness can result in inefficient use of resources, causing financial strain and critical gaps in the health system, hindering the overall success of elimination efforts.

To explore the needs for health system readiness at the national level, a multi-country qualitative study was conducted in the GMS during August 2023 and September 2024. Semi-structured interviews were conducted with 39 stakeholders including national level malaria policymakers and programme managers, field level supervisors and basic health staff from Ministries of Health and NMEPs, managers and field supervisors from malaria implementing partners, and personnel from technical agencies and research organisations.

Based on the qualitative findings, the first version of an assessment tool was developed to evaluate the health system readiness of GMS countries for malaria elimination. The Health System Readiness Assessment Tool (HS-RAT) is a comprehensive readiness assessment tool for malaria elimination that considers all aspects of WHO health system building blocks and

comprises of two parts: Part A for the national level users; and Part B for sub-national users. We believe the HS-RAT would be helpful to health policymakers and malaria elimination programme managers to comprehensively assess an area's readiness to enter malaria elimination phase, and to identify gaps to be addressed for achieving the goal of zero local transmission of malaria.

Methods

Validation and finalisation of the HS-RAT employed Delphi technique which is one of the most commonly used expert group consensus methods used to systematically combine expert opinion in order to arrive at an informed group consensus on a complex problem [1]. The Delphi technique was selected as it emphasises structured anonymous communication between individuals who hold expertise on a certain topic with a goal of arriving at a consensus in the areas of policy, practice, or organisational decision making [2, 3] and the collective wisdom in decision-making could lead to more complete and comprehensive decision-making [4]. The expert panel consultation by e-Delphi technique (online platform to allow the participation of a greater number of experts eliminating the geographical distance and travel restrictions) [5] was conducted by sending out the HS-RAT to experts through emails.

Study population

For Delphi consultation, experts (panel members) were those who have knowledge and experience on malaria elimination in the GMS. Generally, those who have professional experience of more than ten years and committed in the field of malaria elimination and/or health system, especially in the context of GMS, was considered eligible to be an expert for Delphi consultation. Eligible experts were identified through formal and informal networks that represented a concentration of the eligible participants and provided a forum for recruitment [8].

Sample size

There is no certain minimum number of experts for a Delphi consultation [5, 7]. In this project, an indicative panel size of 15 was considered sufficient as suggested by previous studies and literature [1, 9]. Since it is difficult to maintain the participation of all panel members throughout

the process [9], an additional 30% of experts was targeted resulting a minimum panel size of 20 experts for the Delphi consultation.

Study procedure

In this study, two rounds of Delphi consultations were planned to be conducted. Although there is no common agreement, most Delphi studies consider two rounds is reasonable [5, 6] and more than two rounds increases panel attrition [7]. In addition, conducting only two rounds of consultation avoids reaching a "false consensus" due to exhaustion of the experts [5].

In the first round of Delphi consultation, experts reviewed the initial draft of HS-RAT, which consists of two sections: one for national level users and one for sub-national level users (Appendix 1). Each section includes proposed question stems and response measurements for expert evaluation. For each proposed question stem, experts were asked to rate its relevance in assessing the readiness of the respective WHO health system building blocks using a 5-point Likert scale: "strongly relevant," "relevant," "neither relevant nor irrelevant," "irrelevant," or "strongly irrelevant." Additionally, experts were asked to comment whether the proposed response measurement for each question was appropriate. The experts were also allowed to add new items to the initial HS-RAT or make a comment on the existing items so that they could provide any aspect they consider appropriate or relevant [5].

Data management and analysis

The questionnaire for Delphi consultation was developed in REDCap (https://www.project-redcap.org, licensed to Burnet Institute) and sent out to experts via email. Data from the REDCap server was immediately transferred to a password-protected computer right after the data collection and the data was only assessable to research team members. Once the quality of electronic data files had been confirmed, the original files in the REDCap server was erased. No

personal identifiers were recorded on the questionnaires. Data was exported and saved as Stata data file (.dta) and descriptive statistics (frequency, percentage, mean with standard deviation, median with interquartile range) for each item of the assessment tool were calculated by using Stata version 18 (StataCorp, Texas, USA). Qualitative comments by the experts were analysed manually and thematically in Microsoft Word.

After the first round of Delphi consultation, consensus among all panel members informed which items will be included or excluded from the HS-RAT. In this project, a percent agreement of 70% was used as the predefined level of consensus for Delphi consultations as suggested by previous studies [10]. In addition to the predefined percent agreement, the qualitative feedback by the experts were also considered in finalising the HS-RAT.

Ethical considerations

The study protocol was reviewed and approved by the Alfred Hospital Ethics Committee, Melbourne, Australia (199/23), the Deakin University Human Research Ethics Committee, Melbourne, Australia (2023-233), National Ethics Committee for Health Research, Lao PDR (19/NECHR), and the Institutional Review Board of National Institute of Malariology, Parasitology and Entomology, Vietnam (25-2023/HDDD). Informed consent was obtained from all panel members involved in Delphi consultation. As with other research methods, Delphi consultation needs to maintain strict security conditions to maintain the anonymity of the panel members [5]. Measures were taken to ensure privacy, respect and dignity of all the panel members (experts). Identifying features of experts in the Delphi consultation was not used in any publications or reports.

Results

A total of 24 experts who had more than 10 years of experience in malaria and/or health system field (mean: 20 years; standard deviation (SD): 8.8 years) participated in the first round of Delphi consultation. Experts represented at regional (7/24, 29.2%), national (12/24, 50.0%) or sub-national levels (5/24, 21%). Experts included those from the NMEPs (5/24, 21%), donor organisations and principal recipients (3/24, 13%), technical agencies (6/24, 25%), implementing partners (5/24, 21%) and independent experts (5/24, 21%) (Table 2).

Table 2: Background characteristics of the experts participated in the first round of Delphi consultation

Characteristic	Number	Percent
Total number of experts participated, n (%)	24	100.0
Sex, n (%)		
Male	12	50.0
Female	12	50.0
Completed age in years, mean (SD)	50	11.2
Average years of experience in malaria and/or health system field, mean (SD)	20	8.8
Level of representation, n (%)		
Regional	7	29.2
National	12	50.0
Sub-national	5	20.8
Type of organisation, n (%)		
National Programme	5	20.8
Donor organisation including Principal Recipient	3	12.5
Technical agency	6	25.0
Implementing partner	5	20.8
Independent expert	5	20.8

Part A: HS-RAT for national level users

During the first round of Delphi consultation, experts reviewed the 58 question stems and respective response measurements from the HS-RAT for national level users. Detail descriptive statistics of each question was described in Appendix 2, while summary of each sub-section was detailed as follows.

Section A1: Service delivery

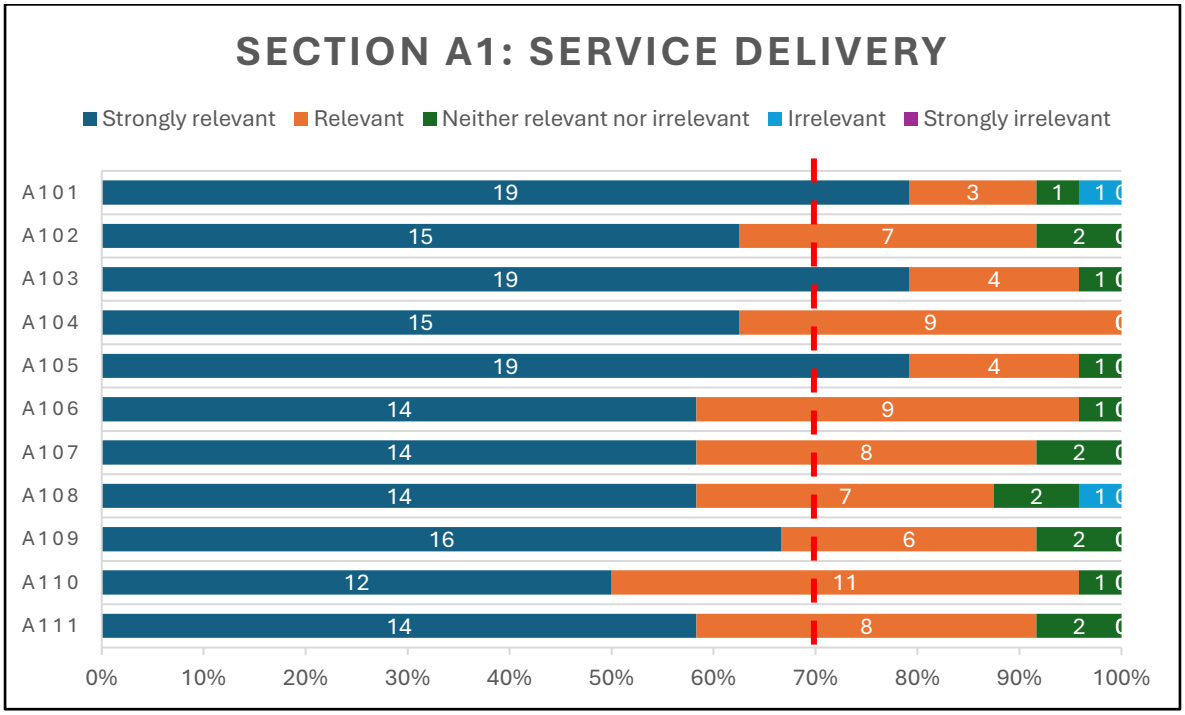

Figure 1: Experts' consensus on question stems for Section A1 (service delivery) during the first round of Delphi consultation with the red-dotted line showing predefined level of consensus

During the first round of the Delphi consultation, 11 questions pertaining to service delivery were included in Section A1. Based on qualitative feedback from experts, eight underwent major revision, and three were discarded from the HS-RAT despite having met the predefined level of consensus. Based on expert suggestions for the second round, eight new questions were added.

Section A2: Surveillance

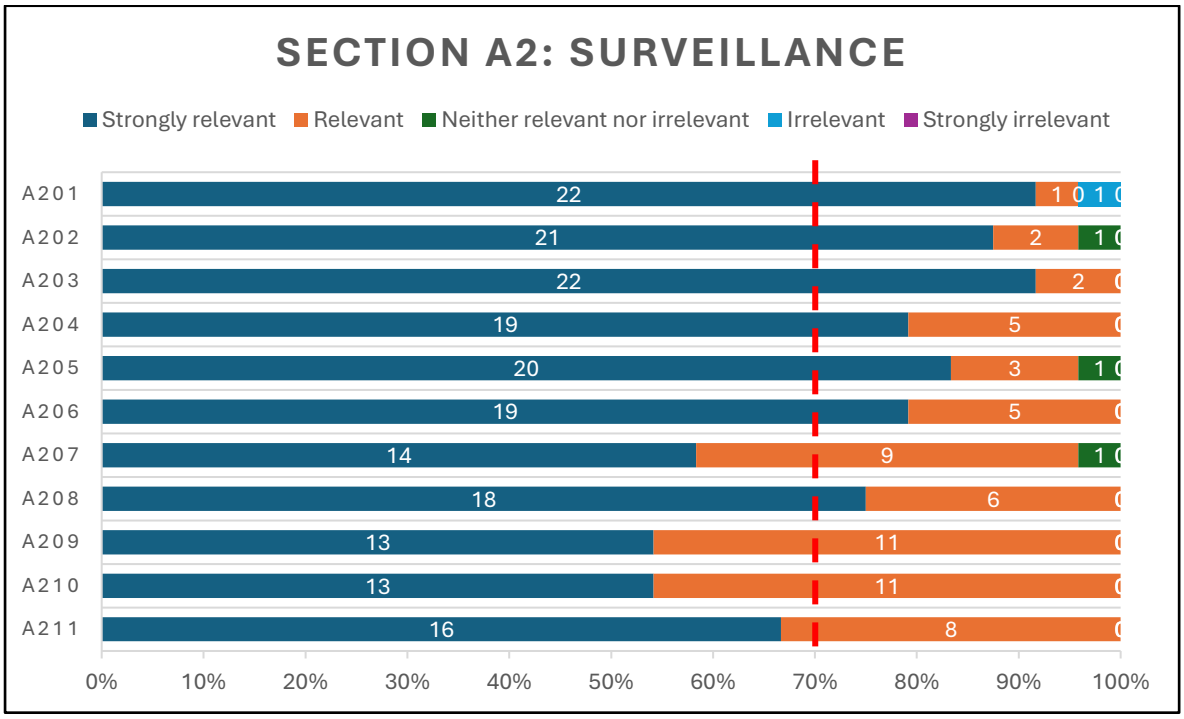

Figure 2: Experts' consensus on question stems for Section A2 (Surveillance) during the first round of Delphi consultation with the red-dotted line showing predefined level of consensus

During the first round of the Delphi consultation, 11 questions pertaining to service delivery were included in Section A2. Of these, four were endorsed after the first round as they passed the predefined level of consensus and qualitatively endorsed by experts. Based on qualitative feedback from experts, six underwent major revision, and one was discarded from the HS-RAT despite having met the predefined level of consensus. Based on expert suggestions for the second round, five new questions were added.

Section A3: Elimination workforce

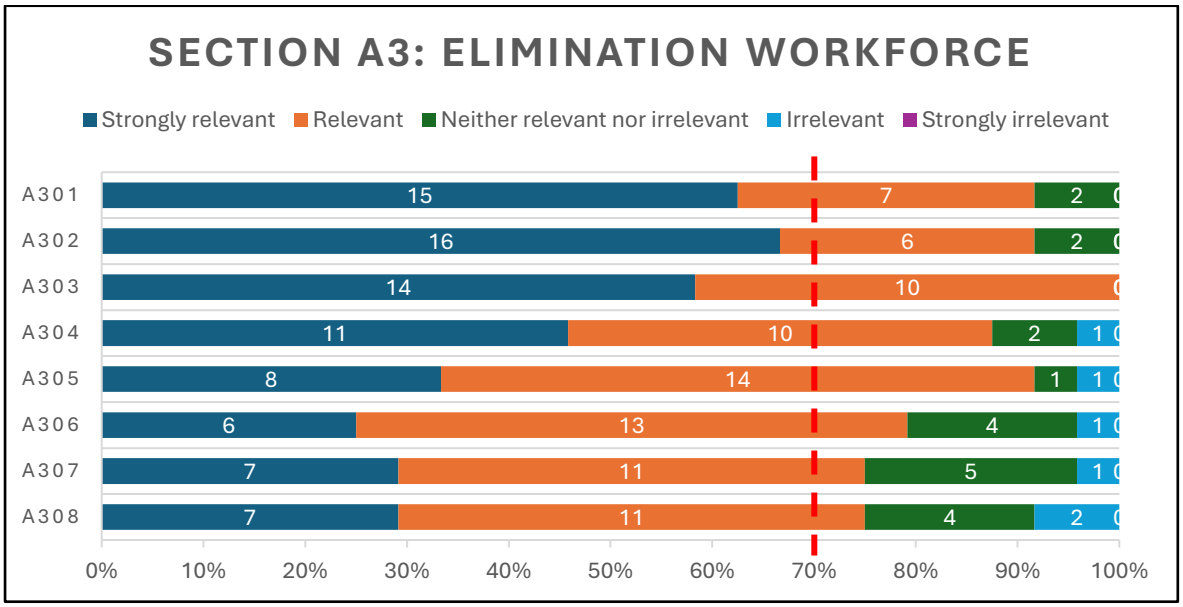

Figure 3: Experts' consensus on question stems for Section A3 (Elimination workforce) during the first round of Delphi consultation with the red-dotted line showing predefined level of consensus

During the first round of the Delphi consultation, eight questions pertaining to elimination workforce were included in Section A3. Based on qualitative feedback from experts, three underwent major revision, and five were discarded from the HS-RAT despite having met the predefined level of consensus. Based on expert suggestions for the second round, three new questions were added.

Section A4: Products and commodities

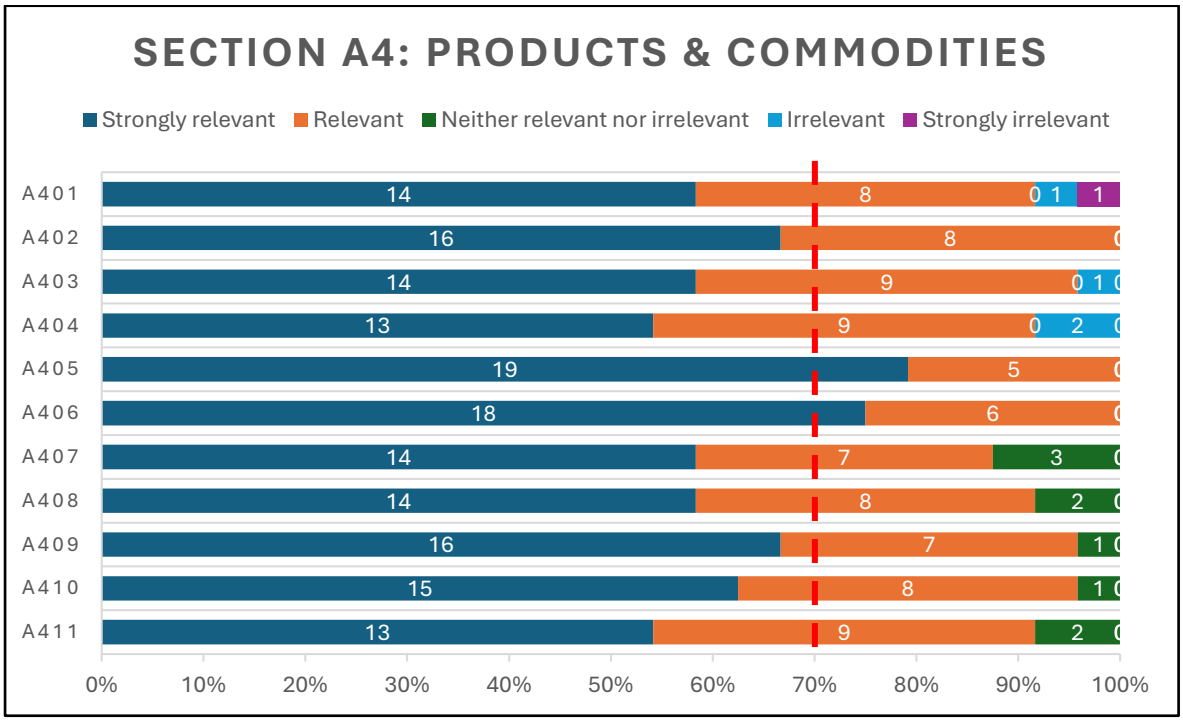

Figure 4: Experts' consensus on question stems for Section A4 (Products and commodities) during the first round of Delphi consultation with the red-dotted line showing predefined level of consensus

During the first round of the Delphi consultation, 11 questions pertaining to products and commodities were included in Section A4. Of these, five were endorsed after the first round as they passed the predefined level of consensus and qualitatively endorsed by experts. Based on qualitative feedback from experts, five underwent major revision, and one was discarded from the HS-RAT despite having met the predefined level of consensus. Based on expert suggestions for the second round, two new questions were added.

Section A5: Programme financing

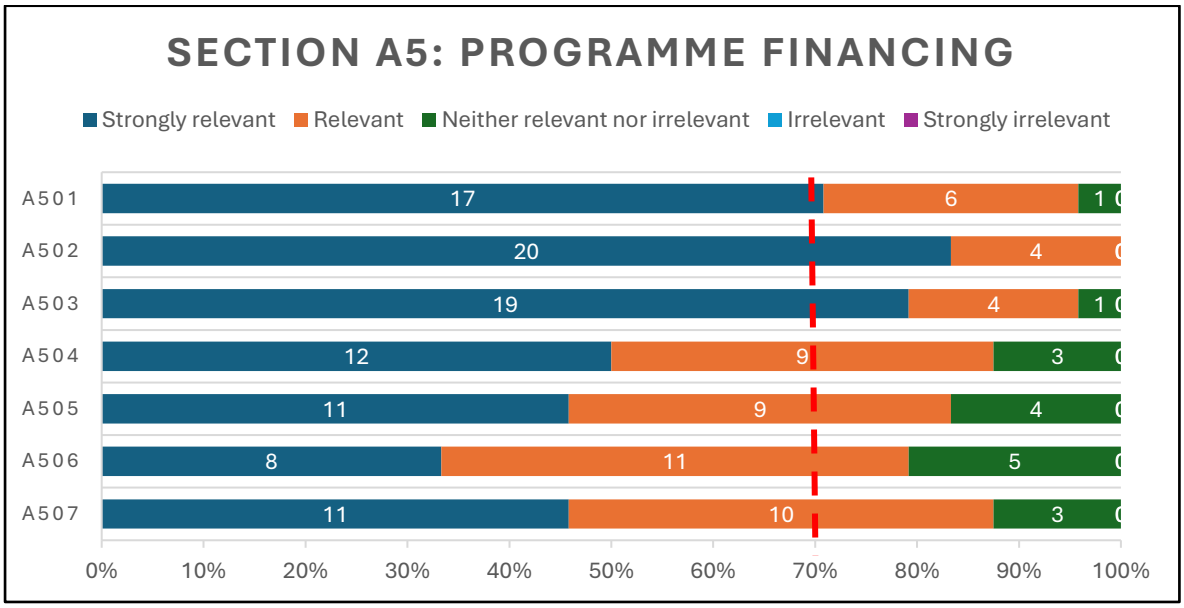

Figure 5: Experts' consensus on question stems for Section A5 (Programme financing) during the first round of Delphi consultation with the red-dotted line showing predefined level of consensus

During the first round of the Delphi consultation, seven questions pertaining to programme financing were included in Section A5. Of these, three were endorsed after the first round as they passed the predefined level of consensus and qualitatively endorsed by experts. Based on qualitative feedback from experts, four underwent major revision despite having met the predefined level of consensus.

Section A6: Leadership and governance

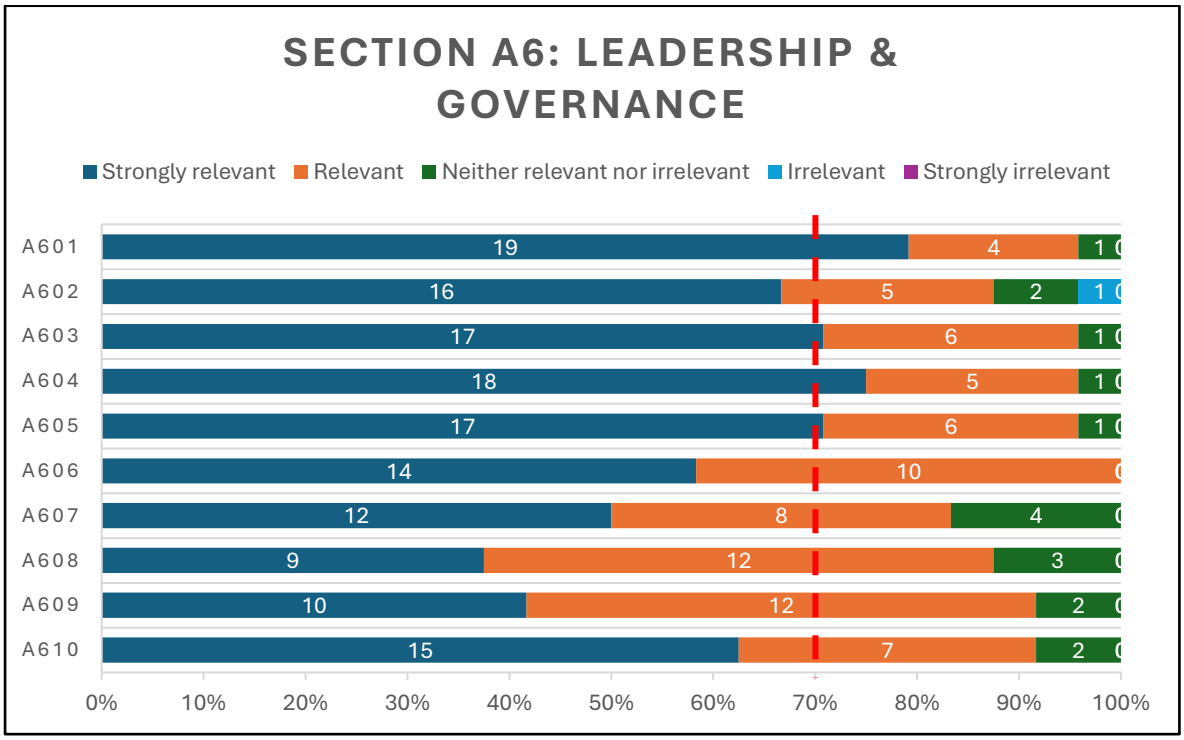

Figure 6: Experts' consensus on question stems for Section A6 (Leadership and governance) during the first round of Delphi consultation with the red-dotted line showing predefined level of consensus

During the first round of the Delphi consultation, ten questions pertaining to leadership and governance were included in Section A6. Of these, six were endorsed after the first round as they passed the predefined level of consensus and qualitatively endorsed by experts. Based on qualitative feedback from experts, four underwent major revision despite having met the predefined level of consensus. Based on expert suggestions for the second round, three new question was added.

Part B: HS-RAT for sub-national level users

During the first round of Delphi consultation, experts reviewed the 49 question stems and respective response measurements from the HS-RAT for sub-national level users. Detail descriptive statistics of each question was described in Appendix 2, while summary of each sub-section was detailed as follows.

Section B1: Service delivery

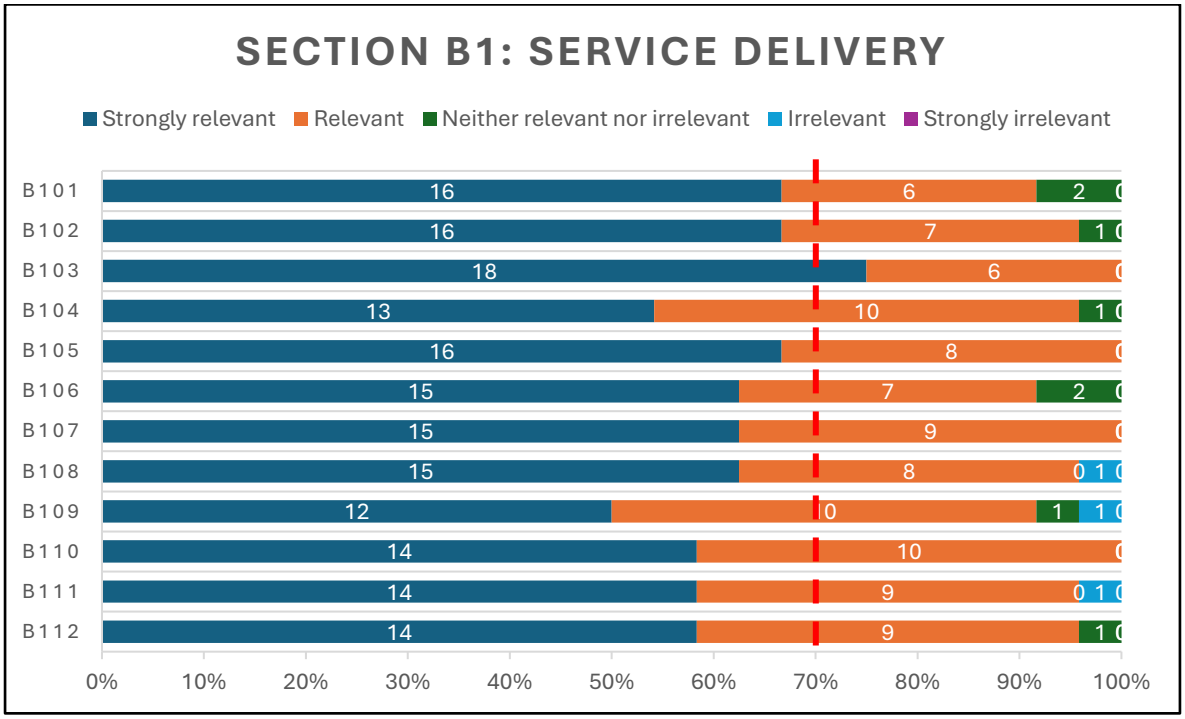

Figure 7: Experts' consensus on question stems for Section B1 (Service delivery) during the first round of Delphi consultation with the red-dotted line showing predefined level of consensus

During the first round of the Delphi consultation, 12 questions pertaining to service delivery were included in Section B1. Based on qualitative feedback from experts, eight underwent major revision, and four were discarded from the HS-RAT despite having met the predefined level of consensus. Based on expert suggestions for the second round, seven new questions were added.

Section B2: Surveillance

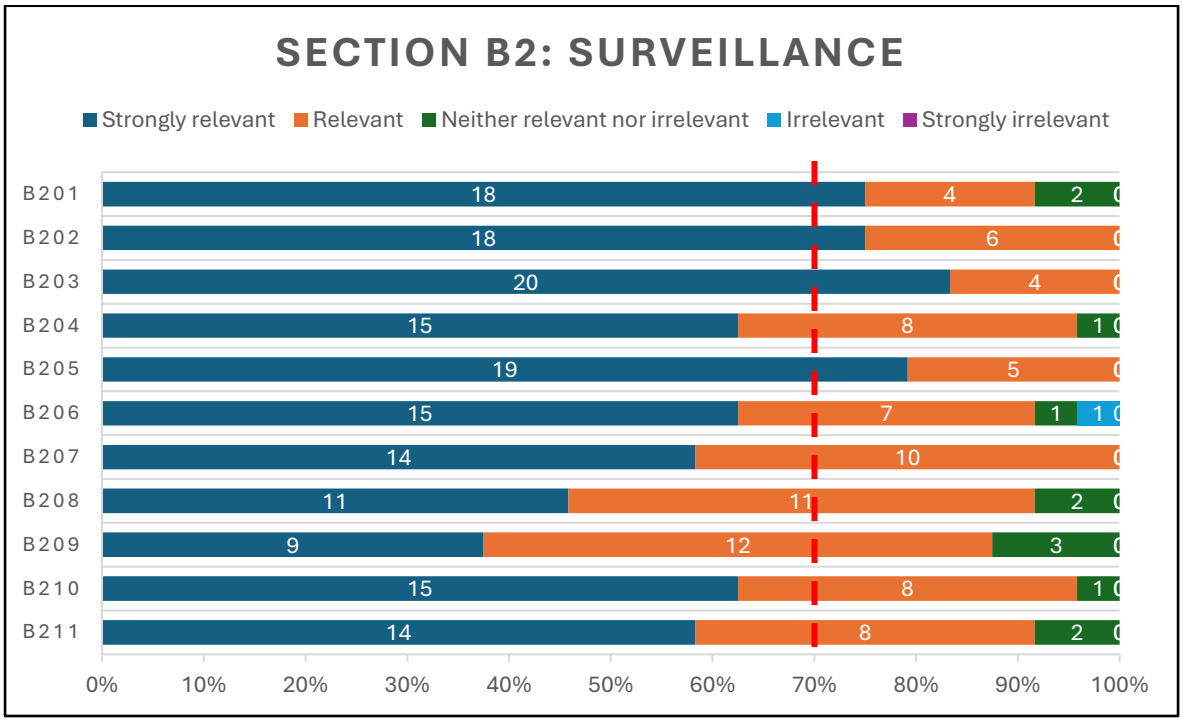

Figure 8: Experts' consensus on question stems for Section B2 (Surveillance) during the first round of Delphi consultation with the red-dotted line showing predefined level of consensus

During the first round of the Delphi consultation, 11 questions pertaining to surveillance were included in Section B2. Of these, six were endorsed after the first round as they passed the predefined level of consensus and qualitatively endorsed by experts. Based on qualitative feedback from experts, three underwent major revision, and two were discarded from the HS-RAT despite having met the predefined level of consensus. Based on expert suggestions for the second round, five new questions were added.

Section B3: Elimination workforce

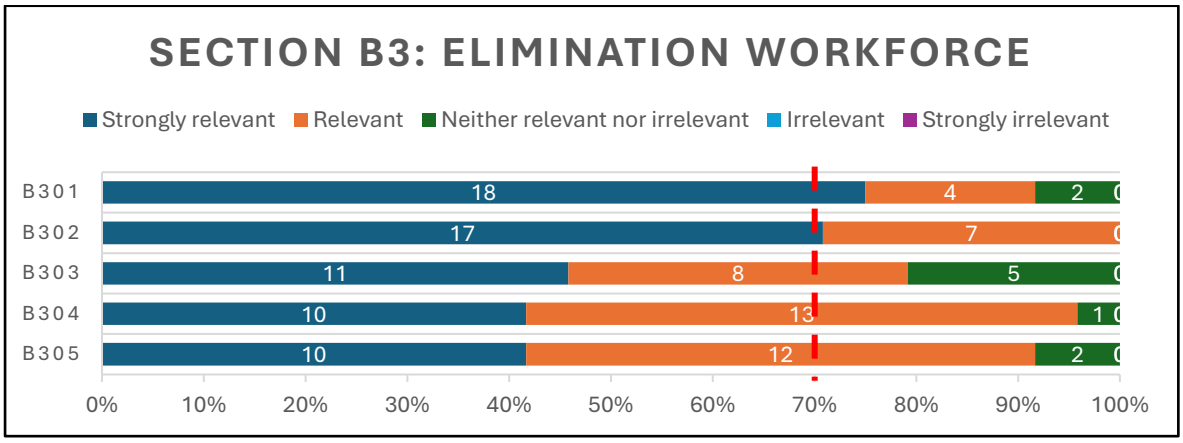

Figure 9: Experts' consensus on question stems for Section B3 (Elimination workforce) during the first round of Delphi consultation with the red-dotted line showing predefined level of consensus

During the first round of the Delphi consultation, five questions pertaining to elimination workforce were included in Section B3. Of these, one was endorsed after the first round as they passed the predefined level of consensus and qualitatively endorsed by experts. Based on qualitative feedback from experts, four underwent major revision despite having met the predefined level of consensus.

Section B4: Products and commodities

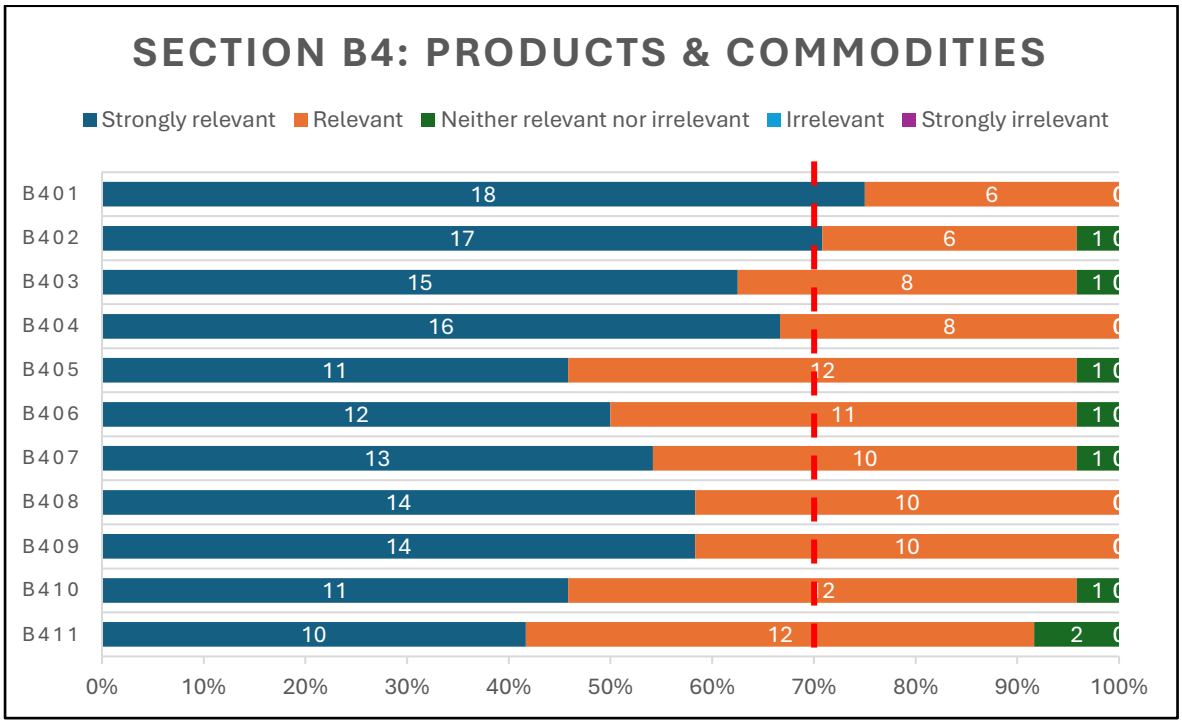

Figure 10: Experts' consensus on question stems for Section B4 (Products and commodities) during the first round of Delphi consultation with the red-dotted line showing predefined level of consensus

During the first round of the Delphi consultation, 11 questions pertaining to products and commodities were included in Section B4. Of these, seven were endorsed after the first round as they passed the predefined level of consensus and qualitatively endorsed by experts. Based on qualitative feedback from experts, two underwent major revision, and two were discarded from the HS-RAT despite having met the predefined level of consensus. Based on expert suggestions for the second round, two new questions were added.

Section B5: Programme financing

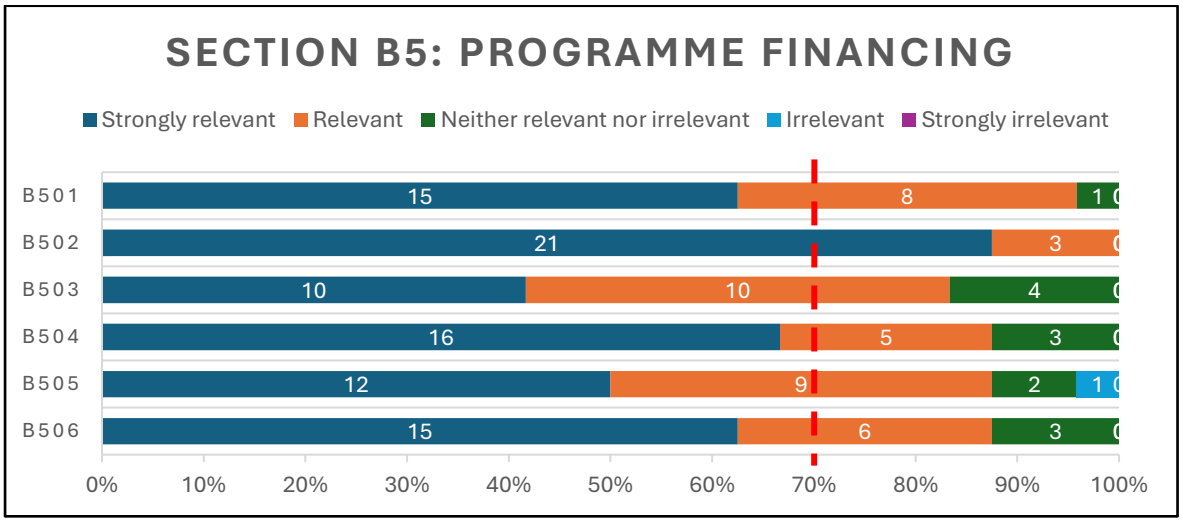

Figure 11: Experts' consensus on question stems for Section B5 (Programme financing) during the first round of Delphi consultation with the red-dotted line showing predefined level of consensus

During the first round of the Delphi consultation, six questions pertaining to programme financing were included in Section B5. Of these, three were endorsed after the first round as they passed the predefined level of consensus and qualitatively endorsed by experts. Based on qualitative feedback from experts, three underwent major revision despite having met the predefined level of consensus. Based on expert suggestions for the second round, one new question was added.

Section B6: Leadership and governance

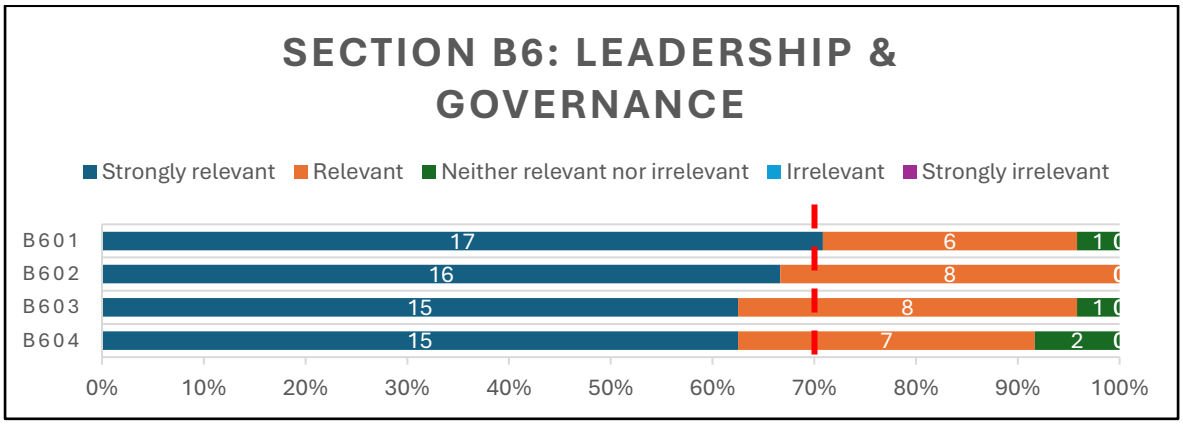

Figure 12: Experts' consensus on question stems for Section B6 (Leadership and governance) during the first round of Delphi consultation with the red-dotted line showing predefined level of consensus

During the first round of the Delphi consultation, four questions pertaining to leadership and governance were included in Section B6. Of these, one was endorsed after the first round as it passed the predefined level of consensus and qualitatively endorsed by experts. Based on qualitative feedback from experts, three underwent major revision despite having met the predefined level of consensus.

Way forward

Summary of results from the first round of Delphi consultation is detailed in Table 3. The second round of Delphi consultation will be organised in September 2025. During the second round, the questions that underwent major revision during the first round (n=53) and the newly added questions by the experts' suggestion after the first round (n=36) will be reviewed by the same group of experts. The HS-RAT will be finalised after the second round of Delphi consultation and will be shared with relevant stakeholders.

Table 3: Summary of results from the first round of Delphi consultation

Section	# questions evaluated by experts during the first round	# questions that were endorsed after the first round	# questions that were discarded after the first round	For the second round		# questions to be evaluated during the second round
				# questions that underwent major revision	# of newly added questions	
Part A (for national level users)						
A1. Service delivery	11	0	3	8	8	16
A2. Surveillance	11	4	1	6	5	11
A3. Elimination workforce	8	0	5	3	3	6
A4. Products and commodities	11	5	1	5	2	7
A5. Programme financing	7	3	0	4	0	4
A6. Leadership and governance	10	6	0	4	3	7
Sub-total for Part A	**58**	**18**	**10**	**30**	**21**	**51**
Part B (for sub-national level users)						
B1. Service delivery	12	0	4	8	7	15
B2. Surveillance	11	6	2	3	5	8
B3. Elimination workforce	5	1	0	4	0	4
B4. Products and commodities	11	7	2	2	2	4
B5. Programme financing	6	3	0	3	1	4
B6. Leadership and governance	4	1	0	3	0	3
Sub-total for Part B	**49**	**18**	**8**	**23**	**15**	**38**

References

1. Linstone H, Turoff M. The Delphi Method: Techniques and Applications1975.
2. Birdsall IA. It seemed like a good idea at the time: The forces affecting implementation of strategies for an information technology project in the Department of Defense. Virginia: Virginia Polytechnic Institute and State University; 2004.
3. Dalkey N, Helmer O. An Experimental Application of the DELPHI Method to the Use of Experts. Management Science. 1963;9(3):458-67. doi: 10.1287/mnsc.9.3.458.
4. Habibi A, Sarafrazi A, Izadyar S. Delphi technique theoretical framework in qualitative research. The International Journal of Engineering and Science. 2014;3(4):8-13.
5. Romero-Collado A. Essential elements to elaborate a study with the (e)Delphi method. Enferm Intensiva (Engl Ed). 2021;32(2):100-4. Epub 2021/06/09. doi: 10.1016/j.enfie.2020.09.003. PubMed PMID: 34099261; PubMed Central PMCID: PMCPMC9750506.
6. Hall DA, Smith H, Heffernan E, Fackrell K. Recruiting and retaining participants in e-Delphi surveys for core outcome set development: Evaluating the COMiT'ID study. PLoS One. 2018;13(7):e0201378. Epub 2018/07/31. doi: 10.1371/journal.pone.0201378. PubMed PMID: 30059560; PubMed Central PMCID: PMCPMC6066228.
7. McMillan SS, King M, Tully MP. How to use the nominal group and Delphi techniques. Int J Clin Pharm. 2016;38(3):655-62. Epub 2016/02/06. doi: 10.1007/s11096-016-0257-x. PubMed PMID: 26846316; PubMed Central PMCID: PMCPMC4909789.
8. Hennink M, Hutter I, Bailey A. Qualitative research methods. 2nd ed: SAGE Publishing; 2020.
9. Toronto C. Considerations when conducting e-Delphi research: a case study. Nurse Res. 2017;25(1):10-5. Epub 2017/06/24. doi: 10.7748/nr.2017.e1498. PubMed PMID: 28639525.
10. Humphrey-Murto S, Varpio L, Gonsalves C, Wood TJ. Using consensus group methods such as Delphi and Nominal Group in medical education research(). Med Teach. 2017;39(1):14-9. Epub 2016/11/15. doi: 10.1080/0142159x.2017.1245856. PubMed PMID: 27841062.

Appendices

Appendix 1: The initial draft of HS-RAT reviewed by experts during the first round of Delphi consultation

- Attached separately.

Appendix 2: Descriptive analysis of questions that were reviewed by experts during the first round of Delphi consultation

Question #	Relevancy of question stem					Appropriateness of response measurement		Mean score (SD)	Median score (Q1, Q3)	Outcome from the first round
	Strongly relevant	Relevant	Neither relevant nor irrelevant	Irrelevant	Strongly irrelevant	Appropriate	Not appropriate			
A101	19 (79.2)	3 (12.5)	1 (4.2)	1 (4.2)	0	23 (95.8)	1 (4.2)	4.7 (0.8)	5 (5, 5)	Major revision for R2
A102	15 (62.5)	7 (29.2)	2 (8.3)	0	0	23 (95.8)	1 (4.2)	4.5 (0.7)	5 (4, 5)	Discarded
A103	19 (79.2)	4 (16.7)	1 (4.2)	0	0	23 (95.8)	1 (4.2)	4.8 (0.5)	5 (5, 5)	Discarded
A104	15 (62.5)	9 (37.5)	0	0	0	20 (83.3)	4 (16.7)	4.6 (0.5)	5 (4, 5)	Major revision for R2
A105	19 (79.2)	4 (16.7)	1 (4.2)	0	0	24 (100.0)	0	4.8 (0.5)	5 (5, 5)	Discarded
A106	14 (58.3)	9 (37.5)	1 (4.2)	0	0	21 (87.5)	3 (12.5)	4.5 (0.6)	5 (4, 5)	Major revision for R2
A107	14 (58.3)	8 (33.3)	2 (8.3)	0	0	22 (91.7)	2 (8.3)	4.5 (0.7)	5 (4, 5)	Major revision for R2
A108	14 (58.3)	7 (29.2)	2 (8.3)	1 (4.2)	0	18 (75.0)	6 (25.0)	4.4 (0.8)	5 (4, 5)	Major revision for R2
A109	16 (66.7)	6 (25.0)	2 (8.3)	0	0	20 (83.3)	4 (16.7)	4.6 (0.7)	5 (4, 5)	Major revision for R2
A110	12 (50.0)	11 (45.8)	1 (4.2)	0	0	20 (83.3)	4 (16.7)	4.5 (0.6)	4.5 (4, 5)	Major revision for R2
A111	14 (58.3)	8 (33.3)	2 (8.3)	0	0	22 (91.7)	2 (8.3)	4.5 (0.7)	5 (4, 5)	Major revision for R2
A201	22 (91.7)	1 (4.2)	0	1 (4.2)	0	23 (95.8)	1 (4.2)	4.8 (0.6)	5 (5, 5)	Endorsed without revision
A202	21 (87.5)	2 (8.3)	1 (4.2)	0	0	22 (91.7)	2 (8.3)	4.8 (0.5)	5 (5, 5)	Discarded
A203	22 (91.7)	2 (8.3)	0	0	0	23 (95.8)	1 (4.2)	4.9 (0.3)	5 (5, 5)	Major revision for R2
A204	19 (79.2)	5 (20.8)	0	0	0	23 (95.8)	1 (4.2)	4.8 (0.4)	5 (5, 5)	Endorsed without revision
A205	20 (83.3)	3 (12.5)	1 (4.2)	0	0	23 (95.8)	1 (4.2)	4.8 (0.5)	5 (5, 5)	Endorsed with minor revision
A206	19 (79.2)	5 (20.8)	0	0	0	21 (87.5)	3 (12.5)	4.8 (0.4)	5 (5, 5)	Major revision for R2
A207	14 (58.3)	9 (37.5)	1 (4.2)	0	0	24 (100.0)	0	4.5 (0.6)	5 (4, 5)	Endorsed with minor revision
A208	18 (75.0)	6 (25.0)	0	0	0	21 (87.5)	3 (12.5)	4.8 (0.4)	5 (4.5, 5)	Major revision for R2
A209	13 (54.2)	11 (45.8)	0	0	0	23 (95.8)	1 (4.2)	4.5 (0.5)	5 (4, 5)	Major revision for R2

A210	13 (54.2)	11 (45.8)	0	0	0	22 (91.7)	2 (8.3)	4.5 (0.5)	5 (4, 5)	Major revision for R2
A211	16 (66.7)	8 (33.3)	0	0	0	23 (95.8)	1 (4.2)	4.7 (0.5)	5 (4, 5)	Major revision for R2
A301	15 (62.5)	7 (29.2)	2 (8.3)	0	0	20 (83.3)	4 (16.7)	4.5 (0.7)	5 (4, 5)	Discarded
A302	16 (66.7)	6 (25.0)	2 (8.3)	0	0	19 (79.2)	5 (20.8)	4.6 (0.7)	5 (4, 5)	Major revision for R2
A303	14 (58.3)	10 (41.7)	0	0	0	23 (95.8)	1 (4.2)	4.6 (0.5)	5 (4, 5)	Major revision for R2
A304	11 (45.8)	10 (41.7)	2 (8.3)	1 (4.2)	0	22 (91.7)	2 (8.3)	4.3 (0.8)	4 (4, 5)	Major revision for R2
A305	8 (33.3)	14 (58.3)	1 (4.2)	1 (4.2)	0	21 (87.5)	3 (12.5)	4.2 (0.7)	4 (4, 5)	Discarded
A306	6 (25.0)	13 (54.2)	4 (16.7)	1 (4.2)	0	20 (83.3)	4 (16.7)	4.0 (0.8)	4 (4, 4.5)	Discarded
A307	7 (29.2)	11 (45.8)	5 (20.8)	1 (4.2)	0	20 (83.3)	4 (16.7)	4.0 (0.8)	4 (3.5, 5)	Discarded
A308	7 (29.2)	11 (45.8)	4 (16.7)	2 (8.3)	0	20 (83.3)	4 (16.7)	3.9 (0.9)	4 (3.5, 5)	Discarded
A401	14 (58.3)	8 (33.3)	0	1 (4.2)	1 (4.2)	22 (91.7)	2 (8.3)	4.4 (1.0)	5 (4, 5)	Discarded
A402	16 (66.7)	8 (33.3)	0	0	0	23 (95.8)	1 (4.2)	4.7 (0.5)	5 (4, 5)	Endorsed with minor revision
A403	14 (58.3)	9 (37.5)	0	1 (4.2)	0	19 (79.2)	5 (20.8)	4.5 (0.7)	5 (4, 5)	Major revision for R2
A404	13 (54.2)	9 (37.5)	0	2 (8.3)	0	20 (83.3)	4 (16.7)	4.4 (0.9)	5 (4, 5)	Major revision for R2
A405	19 (79.2)	5 (20.8)	0	0	0	23 (95.8)	1 (4.2)	4.8 (0.4)	5 (5, 5)	Endorsed with minor revision
A406	18 (75.0)	6 (25.0)	0	0	0	24 (100.0)	0	4.8 (0.4)	5 (4.5, 5)	Endorsed without revision
A407	14 (58.3)	7 (29.2)	3 (12.5)	0	0	21 (87.5)	3 (12.5)	4.5 (0.7)	5 (4, 5)	Endorsed with minor revision
A408	14 (58.3)	8 (33.3)	2 (8.3)	0	0	21 (87.5)	3 (12.5)	4.5 (0.7)	5 (4, 5)	Endorsed with minor revision
A409	16 (66.7)	7 (29.2)	1 (4.2)	0	0	21 (87.5)	3 (12.5)	4.6 (0.6)	5 (4, 5)	Major revision for R2
A410	15 (62.5)	8 (33.3)	1 (4.2)	0	0	21 (87.5)	3 (12.5)	4.6 (0.6)	5 (4, 5)	Major revision for R2
A411	13 (54.2)	9 (37.5)	2 (8.3)	0	0	20 (83.3)	4 (16.7)	4.5 (0.7)	5 (4, 5)	Major revision for R2
A501	17 (70.8)	6 (25.0)	1 (4.2)	0	0	20 (83.3)	4 (16.7)	4.7 (0.6)	5 (4, 5)	Major revision for R2
A502	20 (83.3)	4 (16.7)	0	0	0	22 (91.7)	2 (8.3)	4.8 (0.4)	5 (5, 5)	Major revision for R2
A503	19 (79.2)	4 (16.7)	1 (4.2)	0	0	22 (91.7)	2 (8.3)	4.8 (0.5)	5 (5, 5)	Endorsed with minor revision
A504	12 (50.0)	9 (37.5)	3 (12.5)	0	0	23 (95.8)	1 (4.2)	4.4 (0.7)	4.5 (4, 5)	Endorsed with minor revision
A505	11 (45.8)	9 (37.5)	4 (16.7)	0	0	23 (95.8)	1 (4.2)	4.3 (0.8)	4 (4, 5)	Major revision for R2
A506	8 (33.3)	11 (45.8)	5 (20.8)	0	0	22 (91.7)	2 (8.3)	4.1 (0.7)	4 (4, 5)	Major revision for R2
A507	11 (45.8)	10 (41.7)	3 (12.5)	0	0	23 (95.8)	1 (4.2)	4.3 (0.7)	4 (4, 5)	Endorsed without revision
A601	19 (79.2)	4 (16.7)	1 (4.2)	0	0	23 (95.8)	1 (4.2)	4.8 (0.5)	5 (5, 5)	Endorsed with minor revision
A602	16 (66.7)	5 (20.8)	2 (8.3)	1 (4.2)	0	19 (79.2)	5 (20.8)	4.5 (0.8)	5 (4, 5)	Major revision for R2

A603	17 (70.8)	6 (25.0)	1 (4.2)	0	0	24 (100.0)	0	4.7 (0.6)	5 (4, 5)	Major revision for R2
A604	18 (75.0)	5 (20.8)	1 (4.2)	0	0	23 (95.8)	1 (4.2)	4.7 (0.6)	5 (4.5, 5)	Major revision for R2
A605	17 (70.8)	6 (25.0)	1 (4.2)	0	0	22 (91.7)	2 (8.3)	4.7 (0.6)	5 (4, 5)	Endorsed with minor revision
A606	14 (58.3)	10 (41.7)	0	0	0	24 (100.0)	0	4.6 (0.5)	5 (4, 5)	Endorsed with minor revision
A607	12 (50.0)	8 (33.3)	4 (16.7)	0	0	23 (95.8)	1 (4.2)	4.3 (0.8)	4.5 (4, 5)	Endorsed with minor revision
A608	9 (37.5)	12 (50.0)	3 (12.5)	0	0	23 (95.8)	1 (4.2)	4.3 (0.7)	4 (4, 5)	Endorsed with minor revision
A609	10 (41.7)	12 (50.0)	2 (8.3)	0	0	22 (91.7)	2 (8.3)	4.3 (0.6)	4 (4, 5)	Endorsed with minor revision
A610	15 (62.5)	7 (29.2)	2 (8.3)	0	0	23 (95.8)	1 (4.2)	4.5 (0.7)	5 (4, 5)	Major revision for R2
B101	16 (66.7)	6 (25.0)	2 (8.3)	0	0	22 (91.7)	2 (8.3)	4.6 (0.7)	5 (4, 5)	Major revision for R2
B102	16 (66.7)	7 (29.2)	1 (4.2)	0	0	23 (95.8)	1 (4.2)	4.6 (0.6)	5 (4, 5)	Discarded
B103	18 (75.0)	6 (25.0)	0	0	0	24 (100.0)	0	4.8 (0.4)	5 (4.5, 5)	Discarded
B104	13 (54.2)	10 (41.7)	1 (4.2)	0	0	19 (79.2)	5 (20.8)	4.5 (0.6)	5 (4, 5)	Major revision for R2
B105	16 (66.7)	8 (33.3)	0	0	0	23 (95.8)	1 (4.2)	4.7 (0.5)	5 (4, 5)	Discarded
B106	15 (62.5)	7 (29.2)	2 (8.3)	0	0	21 (87.5)	3 (12.5)	4.5 (0.7)	5 (4, 5)	Major revision for R2
B107	15 (62.5)	9 (37.5)	0	0	0	21 (87.5)	3 (12.5)	4.6 (0.5)	5 (4, 5)	Discarded
B108	15 (62.5)	8 (33.3)	0	1 (4.2)	0	22 (91.7)	2 (8.3)	4.5 (0.7)	5 (4, 5)	Major revision for R2
B109	12 (50.0)	10 (41.7)	1 (4.2)	1 (4.2)	0	22 (91.7)	2 (8.3)	4.4 (0.8)	4.5 (4, 5)	Major revision for R2
B110	14 (58.3)	10 (41.7)	0	0	0	22 (91.7)	2 (8.3)	4.6 (0.5)	5 (4, 5)	Major revision for R2
B111	14 (58.3)	9 (37.5)	0	1 (4.2)	0	24 (100.0)	0	4.5 (0.7)	5 (4, 5)	Major revision for R2
B112	14 (58.3)	9 (37.5)	1 (4.2)	0	0	23 (95.8)	1 (4.2)	4.5 (0.6)	5 (4, 5)	Major revision for R2
B201	18 (75.0)	4 (16.7)	2 (8.3)	0	0	23 (95.8)	1 (4.2)	4.7 (0.6)	5 (4.5, 5)	Endorsed without revision
B202	18 (75.0)	6 (25.0)	0	0	0	23 (95.8)	1 (4.2)	4.8 (0.4)	5 (4.5, 5)	Discarded
B203	20 (83.3)	4 (16.7)	0	0	0	23 (95.8)	1 (4.2)	4.8 (0.4)	5 (5, 5)	Major revision for R2
B204	15 (62.5)	8 (33.3)	1 (4.2)	0	0	24 (100.0)	0	4.6 (0.6)	5 (4, 5)	Endorsed with minor revision
B205	19 (79.2)	5 (20.8)	0	0	0	22 (91.7)	2 (8.3)	4.8 (0.4)	5 (5, 5)	Major revision for R2
B206	15 (62.5)	7 (29.2)	1 (4.2)	1 (4.2)	0	23 (95.8)	1 (4.2)	4.5 (0.8)	5 (4, 5)	Discarded
B207	14 (58.3)	10 (41.7)	0	0	0	24 (100.0)	0	4.6 (0.5)	5 (4, 5)	Major revision for R2
B208	11 (45.8)	11 (45.8)	2 (8.3)	0	0	24 (100.0)	0	4.4 (0.6)	4 (4, 5)	Endorsed with minor revision
B209	9 (37.5)	12 (50.0)	3 (12.5)	0	0	24 (100.0)	0	4.3 (0.7)	4 (4, 5)	Endorsed with minor revision
B210	15 (62.5)	8 (33.3)	1 (4.2)	0	0	24 (100.0)	0	4.6 (0.6)	5 (4, 5)	Endorsed with minor revision
B211	14 (58.3)	8 (33.3)	2 (8.3)	0	0	24 (100.0)	0	4.5 (0.7)	5 (4, 5)	Endorsed with minor revision

B301	18 (75.0)	4 (16.7)	2 (8.3)	0	0	19 (79.2)	5 (20.8)	4.7 (0.6)	5 (4.5, 5)	Major revision for R2
B302	17 (70.8)	7 (29.2)	0	0	0	22 (91.7)	2 (8.3)	4.7 (0.5)	5 (4, 5)	Endorsed with minor revision
B303	11 (45.8)	8 (33.3)	5 (20.8)	0	0	19 (79.2)	5 (20.8)	4.3 (0.8)	4 (4, 5)	Major revision for R2
B304	10 (41.7)	13 (54.2)	1 (4.2)	0	0	22 (91.7)	2 (8.3)	4.4 (0.6)	4 (4, 5)	Major revision for R2
B305	10 (41.7)	12 (50.0)	2 (8.3)	0	0	21 (87.5)	3 (12.5)	4.3 (0.6)	4 (4, 5)	Major revision for R2
B401	18 (75.0)	6 (25.0)	0	0	0	22 (91.7)	2 (8.3)	4.8 (0.4)	5 (4.5, 5)	Endorsed with minor revision
B402	17 (70.8)	6 (25.0)	1 (4.2)	0	0	20 (83.3)	4 (16.7)	4.7 (0.6)	5 (4, 5)	Major revision for R2
B403	15 (62.5)	8 (33.3)	1 (4.2)	0	0	20 (83.3)	4 (16.7)	4.6 (0.6)	5 (4, 5)	Major revision for R2
B404	16 (66.7)	8 (33.3)	0	0	0	23 (95.8)	1 (4.2)	4.7 (0.5)	5 (4, 5)	Endorsed with minor revision
B405	11 (45.8)	12 (50.0)	1 (4.2)	0	0	20 (83.3)	4 (16.7)	4.4 (0.6)	4 (4, 5)	Endorsed with minor revision
B406	12 (50.0)	11 (45.8)	1 (4.2)	0	0	23 (95.8)	1 (4.2)	4.5 (0.6)	4.5 (4, 5)	Discarded
B407	13 (54.2)	10 (41.7)	1 (4.2)	0	0	21 (87.5)	3 (12.5)	4.5 (0.6)	5 (4, 5)	Discarded
B408	14 (58.3)	10 (41.7)	0	0	0	24 (100.0)	0	4.6 (0.5)	5 (4, 5)	Endorsed with minor revision
B409	14 (58.3)	10 (41.7)	0	0	0	24 (100.0)	0	4.6 (0.5)	5 (4, 5)	Endorsed without revision
B410	11 (45.8)	12 (50.0)	1 (4.2)	0	0	23 (95.8)	1 (4.2)	4.4 (0.6)	4 (4, 5)	Endorsed with minor revision
B411	10 (41.7)	12 (50.0)	2 (8.3)	0	0	23 (95.8)	1 (4.2)	4.3 (0.6)	4 (4, 5)	Endorsed with minor revision
B501	15 (62.5)	8 (33.3)	1 (4.2)	0	0	21 (87.5)	3 (12.5)	4.6 (0.6)	5 (4, 5)	Major revision for R2
B502	21 (87.5)	3 (12.5)	0	0	0	23 (95.8)	1 (4.2)	4.9 (0.3)	5 (5, 5)	Endorsed with minor revision
B503	10 (41.7)	10 (41.7)	4 (16.7)	0	0	24 (100.0)	0	4.3 (0.7)	4 (4, 5)	Endorsed with minor revision
B504	16 (66.7)	5 (20.8)	3 (12.5)	0	0	23 (95.8)	1 (4.2)	4.5 (0.7)	5 (4, 5)	Major revision for R2
B505	12 (50.0)	9 (37.5)	2 (8.3)	1 (4.2)	0	24 (100.0)	0	4.3 (0.8)	4.5 (4, 5)	Major revision for R2
B506	15 (62.5)	6 (25.0)	3 (12.5)	0	0	23 (95.8)	1 (4.2)	4.5 (0.7)	5 (4, 5)	Endorsed without revision
B601	17 (70.8)	6 (25.0)	1 (4.2)	0	0	23 (95.8)	1 (4.2)	4.7 (0.6)	5 (4, 5)	Endorsed with minor revision
B602	16 (66.7)	8 (33.3)	0	0	0	23 (95.8)	1 (4.2)	4.7 (0.5)	5 (4, 5)	Major revision for R2
B603	15 (62.5)	8 (33.3)	1 (4.2)	0	0	21 (87.5)	3 (12.5)	4.5 (0.7)	5 (4, 5)	Major revision for R2
B604	15 (62.5)	7 (29.2)	2 (8.3)	0	0	20 (83.3)	4 (16.7)	4.5 (0.7)	5 (4, 5)	Major revision for R2