



DSRG

DIGITAL SOCIETY RESEARCH GRANT



DSRG INFO SESSION

8 MARCH 2022, TUESDAY

2:30 PM – 3:30 PM

CONTENT

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5. Research Highlights
6. DSRG Cycle 1/2022: Focus Areas & Research Titles
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MCMC AT A GLANCE

MCMC

1. Established and governed by the **Malaysian Communications and Multimedia Commission Act 1998 (Act 589)**
2. Effective from **1 November 1998**
3. Multi-Sectoral Regulator:
 - Communications and Multimedia Act 1998 (Act 588)
 - Digital Signature Act 1997 (Act 562)
 - Postal Services Act 2012 (Act 741)
 - Strategic Trade Act 2010 (Act 708)

Wide ranging roles



- KAWALSELIA
- PERLESENAN
- POS DAN KURIER
- PERLINDUNGAN PENGGUNA
- AKSES PERKHIDMATAN
- JALINAN DIGITAL NEGARA
- ORBIT DAN SATELIT
- KESELAMATAN SIBER
- INFRASTRUKTUR KOMUNIKASI
- PEMBERIAN PERKHIDMATAN SEJAGAT
- PEMANTAUAN DAN PENGUATKUASAAN
- PERANCANGAN DAN PENGURUSAN SPEKTRUM
- KEMUDAHALIHAN NOMBOR
- PENGALAMATAN ELEKTRONIK DAN PENOMBORAN
- PEMBANGUNAN TEKNOLOGI
- PENENTUAN STANDARD
- KAWALSELIA KANDUNGAN
- FORUM INDUSTRI
- KOORDINASI ANTARABANGSA
- PERDAGANGAN STRATEGIK

Industry Self Governance Industry Forums under the CMA '98



NATIONAL PLANS



1. Drive digital transformation in the public sector
2. Boost economic competitiveness through digitalisation
3. Build enabling digital Infrastructure
4. Build agile and competent digital talent
5. Create inclusive digital society
6. Build trusted, secure and ethical digital environment



1. Equip the Rakyat with 4IR knowledge and skill sets
2. Forge a connected nation through digital infrastructure development
3. Future-proof regulations to be agile with technological changes
4. Accelerate 4IR technology innovation and adoption



1. Themes

- Resetting the economy
- Strengthening security, wellbeing and inclusivity
- Advancing sustainability

2. Policy Enablers

- Developing future talent
- Accelerating technology adoption and innovation
- Enhancing connectivity & transport infrastructure
- Strengthening the public service



1. The Rakyat's Well Being

- Restoring lives and livelihoods
- Cultivating *Keluarga Malaysia*
- Building a conducive living environment

2. Resilient Businesses

- Revive business capabilities
- Driving strategic investments
- Recovery for targeted sectors

3. A Prosperous and Sustainable Economy

- Sustainability agenda
- Bridging the economic gap
- Fiscal consolidation and revenue sustainability
- Supporting public service delivery

ABOUT DSRG

DSRG

1. Digital Society Research Grant
2. To grow the **evidence base** necessary for the nation to optimise the advancements made in communications infrastructure and service deployment.
3. Assist the development of **policy, programmes, and interventions** to promote the inclusion and participation of all segments of the population as the nation transitions towards being a fully **digitally connected and informed society**.

Research Project

1. Grant amount limited to **RM10,000**.
2. Project duration up to **6 months**.

Research Sponsor

1. MCMC's internal department – acting as the main stakeholder and as **beneficiary of the research**.
2. **Research findings** are **relevant to internal users** in aspects of developing content and in establishing an evidence base for MCMC initiatives and work areas.
3. Provided input in identifying and developing problem statements and **research objectives (ROs)**.

MEDIA MATTERS

Media Matters

1. Publication of DSRG research reports.
2. Published Media Matters Volume 1, 2 & 3 and Advanced Copy of Volume 4 (<https://www.mcmc.gov.my/en/resources/research/publications>)
3. Media Matters Volume 4 is expected to be published in Q2, 2022.
4. Additionally, Research Symposium 1/2022 is tentatively scheduled for June 2022 featuring research findings from DSRG 2021 Cycle 1 Researchers.

List of Cycle 1/2021 Research Titles

Expected to be published in Q4, 2022 as Media Matters Volume 5

No.	Title	IHL
1.	Understanding the Perception and Engagement of Malaysian Public on COVID-19 related Public Service Announcements (PSAs) during the MCO period	UiTM
2.	Strengthening Information Security Management, Human Capital Capabilities and Technology Enhancement Towards Business Excellent: New Strategy for Post-COVID 19 Era	UiTM
3.	Free-to-air channel: Uses and Gratifications of Users in Sabah	MMU
4.	An Impact Study of <i>Pusat Internet Komuniti</i> (PIK) and their Role in the Digital Inclusion of Community within the <i>Pusat Perumahan Rakyat</i> (PPR) Residences	UTS
5.	Investigating the Impact of Social Networks on Women Working from Home (WFH) in Alleviating Psychological Distress	IiUM
6.	Psychological Flexibility and Digital Literacy in the New COVID-19 Normal	USM
7.	Security and Privacy Challenges of Big Data Adoption: A Case Study in the Telecommunications Industry	UTEM
8.	Recommendations for the creation of a governance framework for the protection of personal data used in the development of AI systems	HELP University
9.	An Impact Study of Malaysian ICT Volunteers (MIV) Programme	UUM
10	Mapping and Tracking of Malaysia's National Digital Policies and Plans vis-à-vis the ASEAN Digital Masterplan 2025	UNITEN

DSRG 2020 & 2021

RESEARCH HIGHLIGHTS

1. Adequacy of Malaysian Laws in Regulating Cyberbullying by UUM:
 - Study on current legal framework in managing cyberbullying.
 - In support of bill for a new legislation
 - DSRG 2020 Cycle 2
2. Free-to-air (FTA) channel: Uses and Gratifications of Users in Sabah by MMU:
 - Understanding of Sabah viewers' FTA uses and motivations
 - DSRG 2021 Cycle 1
3. Harmonising Automatic Compensation Scheme with the Malaysian Legal System by UKM:
 - Study on an automatic compensation scheme for telecommunications sector
 - DSRG 2021 Cycle 2

GUIDED RESEARCH

FOCUS AREA 1: DIGITAL CITIZENSHIP & CYBERWELLNESS

**DSRG
2022/CYCLE
1: FOCUS
AREAS &
RESEARCH
TITLES (1/9)**

No.	Research Title	Research Objectives (RO)	Research Spc (Beneficiary Department)
1.	DCC-1 Exploration and Identification of MCMC Brand Health amongst the Industry and Public Sector	<ul style="list-style-type: none"> a. RO 1 – In relation to brand situation analysis, what are the elements and status of MCMC’s brand health; b. RO 2 – In relation to brand equity and identification of what encompasses MCMC’s brand value to identify the perception of MCMC’s brand health amongst identified stakeholders; c. RO 3 – In support of ongoing organisational realignment and in ensuring regulatory effectiveness to identify MCMC brand health gaps and areas which require improvement; d. RO 4 – To make recommendations on the key constituents of MCMC’s brand health and the role branding plays for MCMC as a regulator, facilitator and collaborator for sectoral innovation and development; e. RO 5 – To identify the MCMC brand association with the identified stakeholders, i.e. the general public and the ecosystem stakeholders such as other government agencies; and f. RO 6 – To identify specifically the customer satisfaction relationship with the general public in gauging positive or negative engagement and/or sentiments associated with the MCMC brand to whether the brand impels formidable authority and governance. 	<p>Brand Communications Strategic Communications and Industry Relations Division</p>

GUIDED RESEARCH - Predetermined Research Objectives to be achieved with requirements for researchers to recommend suitable research design

GUIDED RESEARCH

FOCUS AREA 1: DIGITAL CITIZENSHIP & CYBERWELLNESS

**DSRG
2022/CYCLE
1: FOCUS
AREAS &
RESEARCH
TITLES (2/9)**

No.	Research Title	Research Objectives (RO)	Research Sponsor (Beneficiary Department)
2.	DCC-2a Are Malaysians Still Watching TV News? (focus on States and Federal Territories in Peninsular Malaysia)	a. RO 1 – Identification of the elements pertaining to the current and future role of broadcast news in relation to National Interests; b. RO 2 – Viewer perceptions on television news broadcast; c. RO 3 – Nature audience news consumption; and d. RO 4 – Viewer readiness to alternate/changing broadcast news formats.	Content Regulation Consumer and Industry Affairs Division
3.	DCC-2b Are Malaysians Still Watching TV News? (focus on Sarawak)		
4.	DCC-2c Are Malaysians Still Watching TV News? (focus on Sabah and Federal Territory of Labuan)		

GUIDED RESEARCH - Predetermined Research Objectives to be achieved with requirements for researchers to recommend suitable research design

GUIDED RESEARCH

FOCUS AREA 1: DIGITAL CITIZENSHIP & CYBERWELLNESS

No.	Research Title	Research Objectives (RO)	Research Sponsor (Beneficiary Department)
5.	DCC-3 Practice of Networked Content Self-regulation amongst Malaysian Users	a. RO 1 – Identification of the extent and nature of self-regulation when accessing, consuming and sharing networked content (broadcast, internet, Over-The-Top (OTT), etc.) for oneself and for family members; b. RO 2 – Elements incorporated by users when self-regulating, mediating or controlling use of networked media contents; c. RO 3 – Awareness and use of Content Code; d. RO 4 – User readiness to learn about the Content Code; and e. RO 5 – Users’ expectations, readiness, and views on being subject to the Content Code.	Content Regulation Consumer and Industry Affairs Division

GUIDED RESEARCH - Predetermined Research Objectives to be achieved with requirements for researchers to recommend suitable research design

**DSRG
 2022/CYCLE
 1: FOCUS
 AREAS &
 RESEARCH
 TITLES (3/9)**

GUIDED RESEARCH

FOCUS AREA 1: DIGITAL CITIZENSHIP & CYBERWELLNESS

**DSRG
2022/CYCLE
1: FOCUS
AREAS &
RESEARCH
TITLES (4/9)**

No.	Research Title	Research Objectives (RO)	Research Sponsor (Beneficiary Department)
6.	DCC-4 Industry Approaches in Handling Child Online Exploitation and Abuse	a. RO 1 – To identify standard processes and procedures implemented by the local Internet Service Providers (ISPs) on child online protection; b. RO 2 – To identify industry approaches in handling child online exploitation and abuse being implemented by other governments and industry regulators; c. RO 3 – To address the challenges and issues faced by industry (legal, regulatory and technical) in handling child online exploitation and abuse; and d. RO 4 – Recommendation on the most effective industry approaches in handling child online exploitation and abuse, in line with the technology innovation as well the current legal and regulatory frameworks.	New Media Network Security Division

GUIDED RESEARCH - Predetermined Research Objectives to be achieved with requirements for researchers to recommend suitable research design

GUIDED RESEARCH

FOCUS AREA 1: DIGITAL CITIZENSHIP & CYBERWELLNESS

**DSRG
2022/CYCLE
1: FOCUS
AREAS &
RESEARCH
TITLES (5/9)**

No.	Research Title	Research Objectives (RO)	Research Sponsor (Beneficiary Department)
7.	DCC-5a Readiness of the Workforce and Future Skilled Labour Competency Areas for 5G Network Deployments - An Assessment of Challenges	a. RO1 - To assess the workforce skills and challenges for 5G Network deployment; b. RO2 - To conduct a gap analysis for capacity building and workforce requirements for 5G network deployment; and c. RO3 - To recommend prioritisation of skilled labour competency areas/requirements to deploy 5G networks; and d. RO4 - To identify required targeted/prioritised training programmes for development in support of industry rollouts of 5G networks. (This may include new areas of collaboration with other government agencies involved in human capital development).	Training Centre MCMC Academy

GUIDED RESEARCH - Predetermined Research Objectives to be achieved with requirements for researchers to recommend suitable research design

GUIDED RESEARCH

FOCUS AREA 1: DIGITAL CITIZENSHIP & CYBERWELLNESS

**DSRG
2022/CYCLE
1: FOCUS
AREAS &
RESEARCH
TITLES (6/9)**

No.	Research Title	Research Objectives (RO)	Research Sponsor (Beneficiary Department)
8.	DCC-5b Readiness of the Workforce and Future Skilled Labour Competency Areas for 5G Network Deployments – An Assessment of 5G Pilot Projects and Trial Demonstrations: Workforce Issues, Challenges and Opportunities*	a. RO1 - To assess workforce issues, challenges and opportunities related to human resources and capacity building requirements during the deployment of completed 5G pilot projects and trial demonstration; b. RO2 - To recommend solutions based on relevance and applicability of identified issues during the pilot projects and trial demonstrations to future national rollouts; and c. RO3 - To identify the competency and skills gaps experienced by service providers in completing the pilot and trial projects and steps taken to ensure competency development vis-à-vis these skills gaps.	Training Centre MCMC Academy

GUIDED RESEARCH - Predetermined Research Objectives to be achieved with requirements for researchers to recommend suitable research design

*The scope of this research is limited to previously implemented 5G pilot projects and trial demonstrations in Langkawi, Cyberjaya, and the Federal Territories of Putrajaya and Kuala Lumpur.

GUIDED RESEARCH

FOCUS AREA 1: DIGITAL CITIZENSHIP & CYBERWELLNESS

**DSRG
2022/CYCLE
1: FOCUS
AREAS &
RESEARCH
TITLES (7/9)**

No.	Research Title	Research Objectives (RO)	Research Sponsor (Beneficiary Department)
9.	DCC-5c Readiness of the Workforce and Future Skilled Labour Competency Areas for 5G Network Deployments – Case Study of Service Providers Experiences related to 4G Network Tower Infrastructure Deployment	a. RO1 - To assess the workforce experiences in the setting up of the current tower infrastructure supporting 4G networks in Malaysia; b. RO2 - To conduct gap analysis for capacity building and workforce requirements; and c. RO3 - To recommend which areas of skilled labour competency areas/requirements for upskilling and reskilling the current workforce to meet the market demand of our nation’s future industrial development. This includes potential areas of collaboration with other government agencies that are involved in human capital development.	Training Centre MCMC Academy

GUIDED RESEARCH - Predetermined Research Objectives to be achieved with requirements for researchers to recommend suitable research design

GUIDED RESEARCH

FOCUS AREA 1: DIGITAL CITIZENSHIP & CYBERWELLNESS

No.	Research Title	Research Objectives (RO)	Research Sponsor (Beneficiary Department)
10.	DCC-6 Availability and Effectiveness of Skills and Competency Programmes contributing to Workforce Preparedness for 5G Deployment	a. RO1 - To review and assess availability and opportunity of training and development approaches in Malaysia related to 5G deployment; b. RO2 - To measure the availability and effectiveness of skills and competency programmes in Malaysia to ensure workforce preparedness for 5G deployment; and c. RO3 - To recommend a training and collaboration framework for the workforce preparedness of 5G deployment which includes the identification of required competency areas, certifications and collaboration partners.	Training Centre MCMC Academy

GUIDED RESEARCH - Predetermined Research Objectives to be achieved with requirements for researchers to recommend suitable research design

**DSRG
2022/CYCLE
1: FOCUS
AREAS &
RESEARCH
TITLES (8/9)**

GUIDED RESEARCH

FOCUS AREA 1: DIGITAL CITIZENSHIP & CYBERWELLNESS

No.	Research Title	Research Objectives (RO)	Research Sponsor (Beneficiary Department)
11.	DCC-7 Assessment of Competency Gap to Enhance Workforce Performance in 5G Vertical Areas and Applications	a. RO1 - To identify the perception of Malaysian Industry on the changes due to the 5G deployment related to human resource and capacity building requirements) - in 5G vertical applications; b. RO2 - To identify the capacity building gap 5G vertical areas for capacity building programmes in the future; and c. RO3 - To recommend critical capacity building programmes for future workforce competency requirements in vertical areas/application of 5G.	Training Centre MCMC Academy

GUIDED RESEARCH - Predetermined Research Objectives to be achieved with requirements for researchers to recommend suitable research design

**DSRG
2022/CYCLE
1: FOCUS
AREAS &
RESEARCH
TITLES (9/9)**

DSRG CYCLE 1/2022: PROCESS OVERVIEW

Process Overview

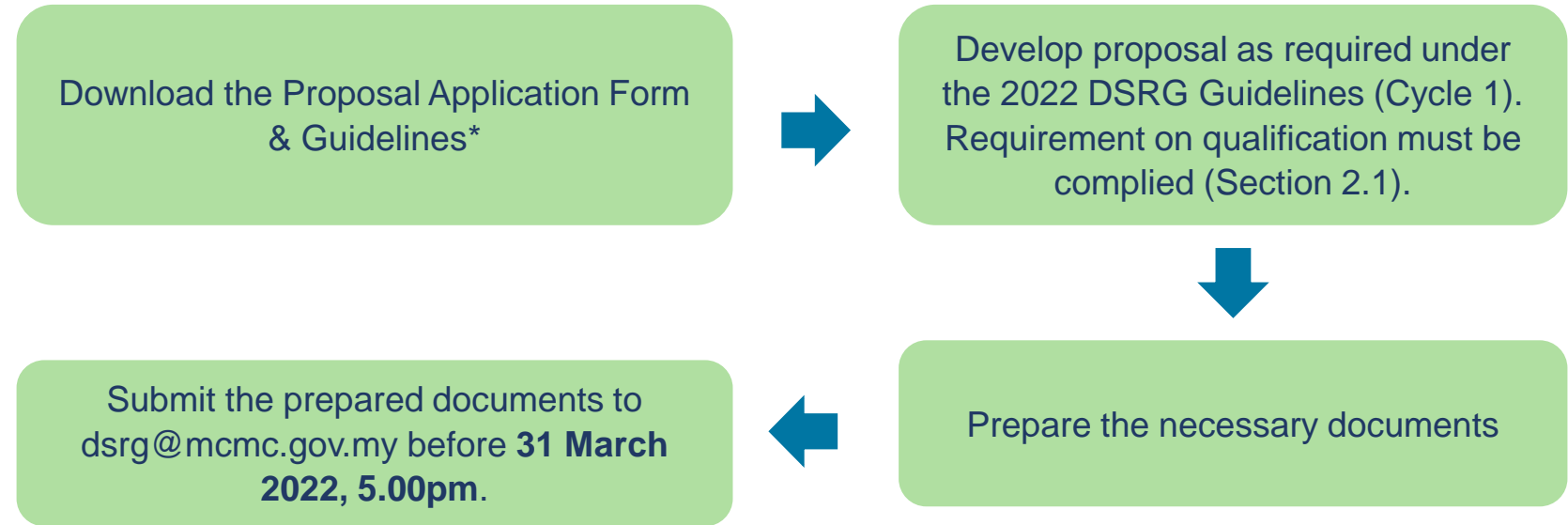


Resources Links

1. **2022 DSRG Guidelines (Cycle 1)** (https://mcmc.gov.my/skmmgovmy/media/General/DSRG_no9_2021/2022-DSRG-Guideline.pdf)
2. **Proposal Submission Form** (https://mcmc.gov.my/skmmgovmy/media/General/DSRG_no9_2021/2022-DSRG-Proposal-Submission-Form.doc)
3. **FAQs** (https://mcmc.gov.my/skmmgovmy/media/General/DSRG_no9_2021/2022-DSRG-FAQ.pdf)

DSRG CYCLE 1/2022: SUBMISSION

Submission Process

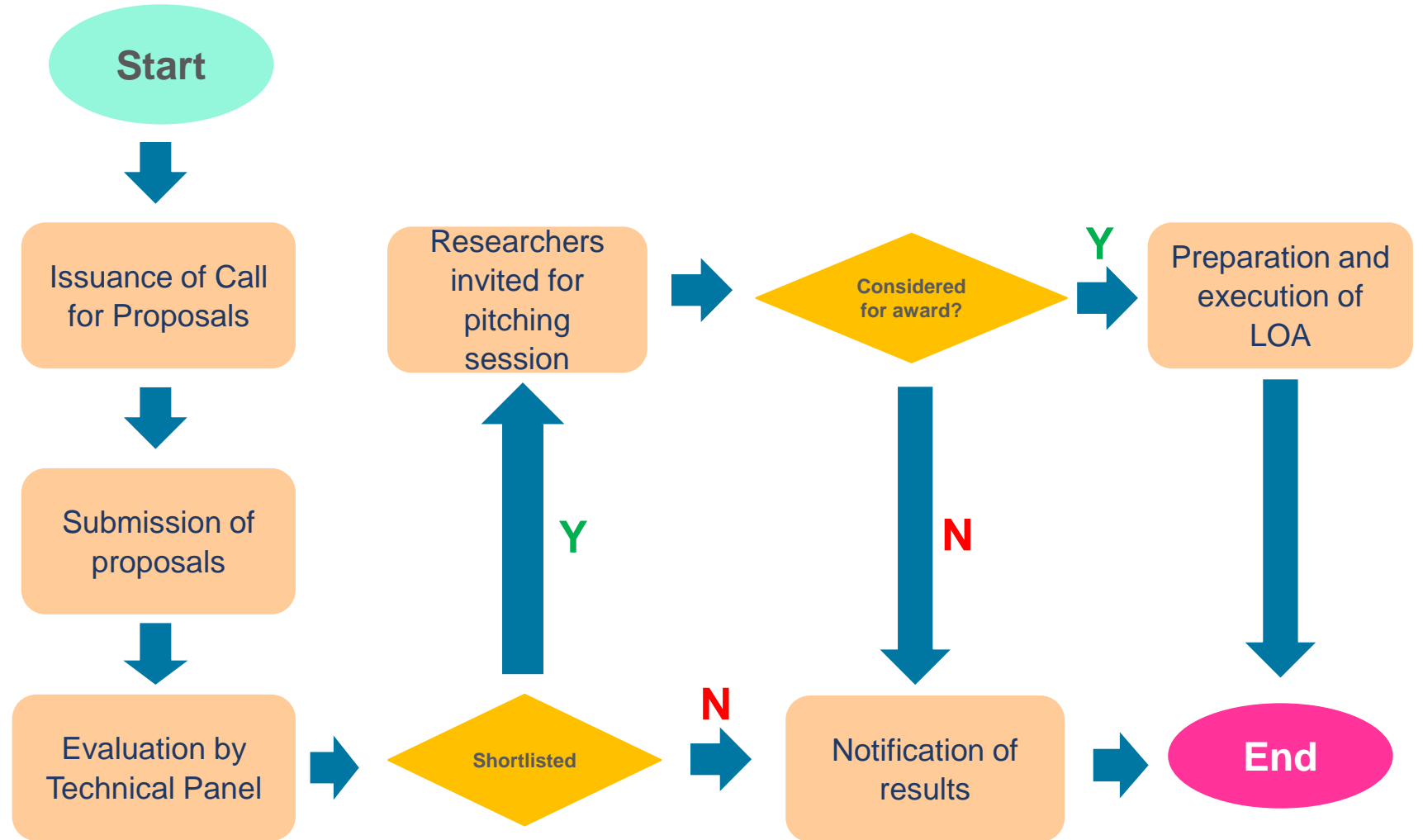


Documents that need to be submitted

1. Proposal Submission Form (in pdf and word.doc)
2. CV of all research team members
3. Certified copy of highest academic qualification
4. Other relevant materials to support the proposal

DSRG CYCLE 1/2022: EVALUATION

Evaluation Process



DSRG CYCLE 1/2022: SELECTION (1/2)

Key criteria for selection process

1. The researcher must demonstrate **sound understanding** of MCMC's roles and functions.
2. The researcher's experience and expertise are demonstrated through **prior research work and publication** in the proposed field.
3. The proposed research provides **new insights, value or new knowledge** on the existing body of research.
4. The feasibility of the research scope must be commensurate with the **grant amount and duration**.
5. The proposal must address the outlined **Research Problem** and exclude development of prototypes or applications.
6. The proposal must meet **submission and evaluation criteria**.
7. The proposal must be written in **understandable, concise and straightforward manner**.

DSRG CYCLE 1/2022: SELECTION (2/2)

Qualifying Criteria

Quality

- Rationale and justification are presented **coherently** and **logically**.
- Falls within the context of **research focus**.
- **Ethical considerations** have been identified and addressed.

Impact

- Provides opportunity to contribute to the implementation or evolution of **MCMC's policies/initiatives**.
- Potentially significant for offering **new insights** in the subject area.

Alignment

- The need and relevancy of the research in contributing towards **departmental specific works**.
- Potentially provides useful and relevant data for **knowledge base**.

Suitability

- The researcher have the **expertise, skills and knowledge** in the proposed area of research, and with the proposed methodology to **accomplish the research objectives**.

Feasibility

- The **appropriateness** of the proposed activities, methods, and resources to accomplish the project within the stated **timeframe**.

Please type-in your questions in the Q&A box

Q&A SESSION

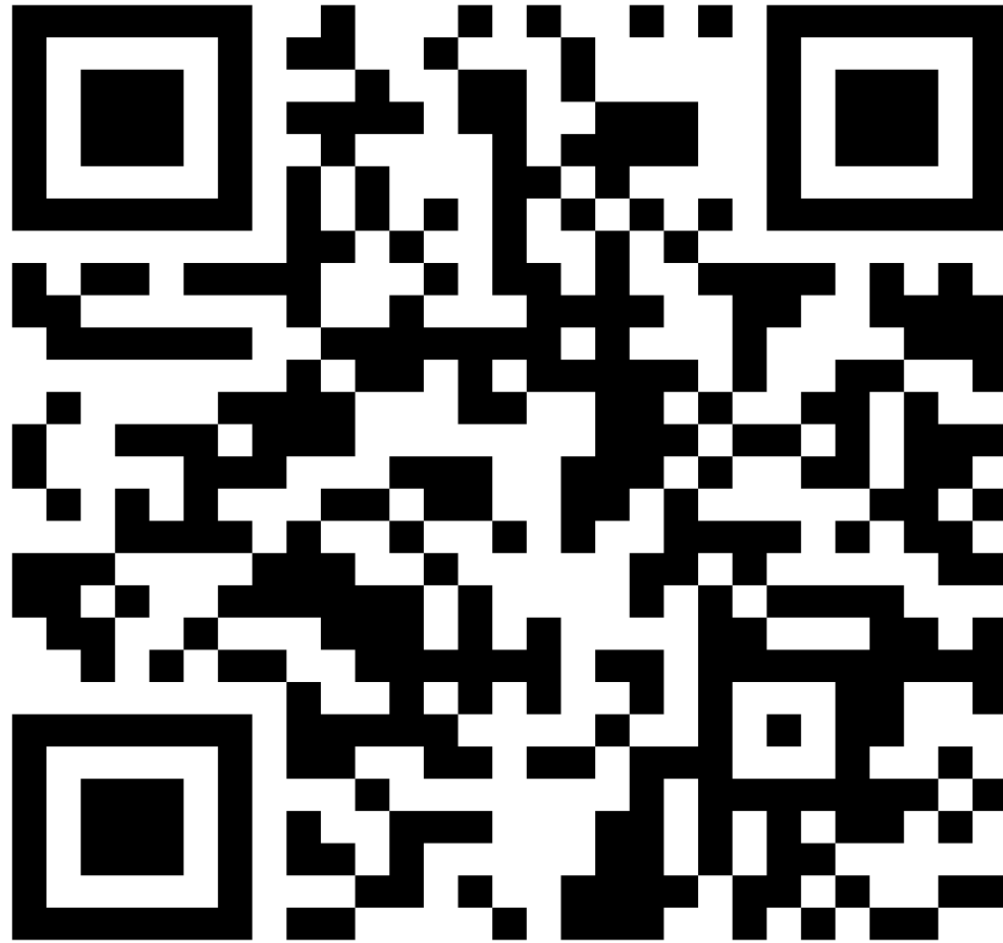


QUESTIONS?

FEEDBACK FORM

Scan the QR Code to fill in the Feedback Form

<https://forms.gle/XyiBu8hzWWZadjGJ6>



CONTACT
US

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