



TÜBİTAK - QNRF Joint Funding Program

Call 1: Academia - Industry Cooperation on Cybersecurity

Call for Proposals (CFP)

2017

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Section 1. Acronyms

AROR	Authorized Research Office Representative
GAG	Grant Application Guide
GS	Graduate Student
IP	Intellectual Property
LPI	Lead Principal Investigator
MRFA	Master Research Funding Agreement
PC	Project Coordinator
PI	Principal Investigator
PP	Project Partner
PR	Peer Reviewer
QMOPH	Ministry of Public Health – State of Qatar
QNRF	Qatar National Research Fund
QNRS	Qatar National Research Strategy
QRLP	Qatar Research Leadership Program
R&D	Research and Development
RA	Research Assistant
REG	Research Ethics Guide
RIG	Research Integrity Guide
RO	Research Office
SI	Submitting Institution

Section 2. Definitions

Consortium Agreement: is an agreement that participants conclude between themselves for the implementation of the project. The agreement allows the participants to determine the detailed administrative and management provisions necessary to carry out their project. With this agreement, parties also outline the rights and responsibilities of each member of the consortium concerning intellectual property. This agreement cannot contradict or negate the provisions established by the project contracts and regulations of TÜBİTAK and QNRF.

Consultant: An experienced individual who is trained to advise the research team in order to help make the best possible choices during execution of the research project. Consultants are generally considered as service providers and offer only advice or propose solutions to problems, but they do not take on roles of the principal investigators such as designing, conducting, or reporting on research. A consultant cannot have any claim on intellectual property related to the project. A consultant requires little or no guidance in providing input.

Grant: Term used to describe the funding instrument used by TÜBİTAK/QNRF for the execution of material support after signing the Grant Agreement/Master Research Funding Agreement.

Intellectual Property (IP): All intellectual property rights, of any kind or nature throughout the world, whether existing now or in the future, including without limitation the rights with respect to (i) inventions (whether or not patentable and whether or not reduced to practice), designs, patents and patent applications; (ii) trademarks and service marks together with all goodwill associated therewith and worldwide registrations, applications and renewals related thereto; (iii) copyrights, copyrightable works (in whatever form or medium), and all registrations, applications and renewals for any of the foregoing; (iv) trade secrets, data, database rights,

and confidential information; and (v) all claims, causes of action and remedies of any kind related to the foregoing.

Lead Principal Investigator (LPI): The Principal Investigator who is identified in the research proposal as the leader and manager of the research team in each country and who has the ultimate responsibility for all administrative and programmatic aspects of the proposed project, in addition to his/her research role.

Principal Investigator (PI): The person designated on the research proposal as a principal individual involved in the scientific development and execution of a project.

The Project Consortium: Composed of project Research Teams (RT) from both countries. Project Consortium represents the whole project.

Project Coordinator (PC): The person who coordinates the whole consortium. PCs are selected from among the LPIs of any project's research teams.

Project Incentive Premium (PIP): Payments made by TÜBİTAK to principal investigators, researchers and consultants of the accepted projects, according to the amount determined in the project contract. These payments can only be made to permanent staff of universities (including foundation universities) and public institutions. Principal investigators, researchers and consultants from private sector are given wages equal to the amount of PIP.

Researcher: The person who carries out scientific research as a part of the project research team.

Research End-User: Any entity (including industry, public bodies, service providers, non-profit organizations) that does not have research and development activities as part of its main mission and that can benefit from the research outcome of the project.

Research Team (RT): Composed of project members from each country's project.

Service: Service is a cost category. A service provider is not involved in the design, conduct or reporting of research; a service provider assists the research team in providing services needed to carry out the research, in exchange for a fee. Services may be purchased by either the awarded or the collaborating institution, and are auxiliary to the main object of the research project. Services usually cover specialized jobs that cannot be carried out by the research team or are employed because it is more efficient to use the services of a specialized organization (e.g. routine analysis, consultancy, communication/outreaching activities, data purchasing and management, statistical analysis, evaluation, auditing etc.). The purchased services shall be provided by third parties contracted by the awardee or collaborating institutions and have no rights or obligations vis-a-vis QNRF and TÜBİTAK.

Submitting Institution (SI): A research institution registered inside the State of Qatar/Turkey that is responsible for submitting research proposals to QNRF/TÜBİTAK. Once awarded, such an entity will be termed as the Awardee. For the Qatari side, SI has to have appropriate research resources specialized in area(s) within QNRS.

Work Package: A major subdivision of work within the research project as a whole. The work package may be composed of one of several tasks (for example, project coordination, literature survey, experimental phase, data acquisition phase, data treatment of modeling phase, implementation phase, dissemination of results, and so on).

QNRF Specific Definitions

Awardee: "Submitting Institution" awarded grant(s) from QNRF. The awardee must be a party to the Master Research Funding Agreement.

Capital Equipment: Items which have a useful life of more than one year and a unit acquisition cost of greater than US\$ 5,000 and which are part of the approved budget.

Co-Funding: The mechanism through which the QNRF allows co-funding, in-kind or in-cash, of its calls, from eligible end-users. See QNRF co-funding policy at [link](#).

Collaborating Institution: Research Institution inside or outside the State of Qatar collaborating with the submitting institution in conducting the research proposal. Once awarded, it will be termed as a Sub-Awardee.

Consumables and Materials: Items that are necessary to carry out the project with unit acquisition cost of less than US\$ 5,000.

Direct Cost: Expenses related directly to the performance of the project research activities. Direct cost includes the “Personnel” cost, the “Equipment” cost, the “Travel” cost and the “Miscellaneous” cost.

Graduate Student (GS): is a student enrolled for a graduate degree in a university and engaged in research that is in direct fulfilment of a requirement for that degree.

Indirect Cost: Institutional expenses that are not readily identified with the implementation of a research project, yet necessary for the general support of this project by the institution where it is being performed.

Investigator: Anyone responsible for the design, conduct, or reporting of funded or proposed research project. Tubitakuidb2014*

Post-doctoral Scholar: Individual who has received a doctoral degree (or equivalent) and is engaged in a temporary and defined period of mentored advanced training to enhance the professional skills and research independence needed to pursue his or her chosen career path.

Qatar National Research Strategy (QNRS): A strategy developed by Qatar Foundation Research & Development to address the research priorities of the State of Qatar.

Research Office (RO): the department within the submitting institution responsible for vetting submitted research proposals and administrating awarded research projects

Research Office (RO) Vetting: Administrative procedure required from the Awardee’s RO prior to submitting any proposal, reports or requests to QNRF, through which the RO confirms the accuracy of submitted information and confirms its compliance with the Awardee’s policies and procedures and those of the relevant program/call.

Section 3. Call Snapshot

SCOPE			
Competition opens	4th October 2017 (5 p.m., Istanbul/Doha time)		
Submission deadline	Final date for proposal submission to TÜBİTAK and QNRF is on 8th January 2018 (5 p.m., Istanbul/Doha time).		
Announcement of results	March 2018		
Anticipated project start date	Project activities can begin only after the Master Research Funding Agreement (MRFA) with QNRF/grant agreement with TÜBİTAK and other related agreements have been signed. This process can take up to 60 days from the time of the award announcement and this should be taken into consideration when preparing the implementation timeline of the application.		
Academia-Industry Cooperation Program objectives	<p>The aim of the call is to intensify cooperation between Turkish and Qatari participants in science and industry by means of Academia-Industry Cooperation projects. The theme of the first cycle is Cybersecurity.</p> <p>“Academia-Industry Cooperation projects” are R&D projects, which require the participation of at least one Turkish and one Qatari research institution/university as well as at least one Turkish and one Qatari commercial company or research end-users. The funding is intended to enable foundations to be laid for a lasting R&D innovation partnership.</p>		
Specific Research Priority Areas	<ul style="list-style-type: none"> • Cloud and big data security • Security Systems in mobile devices and applications • Critical infrastructure security framework with state level auditing and compliance requirements 		
Eligible applicant	<table border="0"> <tr> <td style="vertical-align: top;"> <p>For the Qatar-based Team</p> <p>The Lead Principal Investigator (LPI) from Qatar is a Researcher affiliated with an institution inside Qatar, holds a research-oriented doctorate or any of the approved terminal degrees as defined under the approved list of terminal degrees.</p> </td> <td style="vertical-align: top;"> <p>For the Turkish Team</p> <p>The Principal Investigator (PI), including the Lead Principal Investigator (LPI), is expected to hold a PhD degree if he/she is from academia. If the LPI and/or the principal investigator is from the private sector, he/she must be working there full-time for at least minimum 6 months and must have a BA/BSc Degree.</p> </td> </tr> </table>	<p>For the Qatar-based Team</p> <p>The Lead Principal Investigator (LPI) from Qatar is a Researcher affiliated with an institution inside Qatar, holds a research-oriented doctorate or any of the approved terminal degrees as defined under the approved list of terminal degrees.</p>	<p>For the Turkish Team</p> <p>The Principal Investigator (PI), including the Lead Principal Investigator (LPI), is expected to hold a PhD degree if he/she is from academia. If the LPI and/or the principal investigator is from the private sector, he/she must be working there full-time for at least minimum 6 months and must have a BA/BSc Degree.</p>
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Awards parameters	<table border="0"> <tr> <td style="vertical-align: top;"> <p>QNRF funds up to US \$250 thousand per project, per year.</p> <p>The proposal duration is up to three years for a hardware and</p> </td> <td style="vertical-align: top;"> <p>TÜBİTAK funds up to four million Turkish Liras (excl. overhead and Project Incentive Premium (PIP) approximately, US \$1.1 million) per project. The partner from academia</p> </td> </tr> </table>	<p>QNRF funds up to US \$250 thousand per project, per year.</p> <p>The proposal duration is up to three years for a hardware and</p>	<p>TÜBİTAK funds up to four million Turkish Liras (excl. overhead and Project Incentive Premium (PIP) approximately, US \$1.1 million) per project. The partner from academia</p>
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	software project and two years for a software project.	cannot get more than 40% of the total project budget.
Co-funding parameters	Q NRF encourages Qatar-based co-funded (in-kind or in-cash) proposals from Qatar-based entities in this program, however fund matching is not applicable.	
How to apply	Proposal submission is made through TÜBİTAK's system (http://uidb-pbs.tubitak.gov.tr). After the submission to TUBITAK by the project coordinator, the Qatar-based LPI needs also to be registered and submits an application through https://www.qgrants.org/.	Proposal submission is made through TÜBİTAK's system (http://uidb-pbs.tubitak.gov.tr). After the submission to TUBITAK by the project coordinator, the Qatar-based LPI needs also to be registered and submits an application through
Program contact	Q NRF http://support.qnrf.org/index.php?/Tickets/Submit .	TUBITAK Ms. Nihad Nassar, uidb@tubitak.gov.tr
Reference Documents	<p>For the Qatar-based Team</p> <p>Research Integrity Guide (RIG) (http://www.qnrf.org/en-us/RIG)</p> <p>Research Ethics Guide (REG) (http://www.qnrf.org/en-us/REG)</p> <p>Research Ethics and Regulatory Requirements document at the link</p> <p>Qatar National Research Strategy (QNRS) (http://www.qnrf.org/en-us/About-Us/QNRS)</p> <p>Travel Policy (http://www.qnrf.org/en-us/Funding/Policies-Rules-and-Regulations/Travel-Policy)</p>	<p>For The Turkish Team</p> <p>http://www.tubitak.gov.tr/sites/default/files/256_sayili_bk_islenmis_hali-1071-1_0.pdf</p> <p>http://www.tubitak.gov.tr/sites/default/files/263_sayili_bk_islenmis_hali.pdf</p> <p>http://www.tubitak.gov.tr/sites/default/files/yonetmelik_iii_2_0.pdf)</p> <p>http://www.tubitak.gov.tr/sites/default/files/genel_butce_kapsamindaki_kamu_idareleri_ile_ozel_butceli_idarelere_proje_karsiligi_aktarilacak_tutarlar.pdf</p> <p>http://www.tubitak.gov.tr/sites/default/files/tubitak_tarafindan_ozel_kuruluslar_ve_vakif_universitelerine_proje_karsiligi_yeni.pdf</p> <p>http://tubitak.gov.tr/sites/default/files/etik_onay_bilgi_notu_23_07_13.pdf</p>

		<p>http://tubitak.gov.tr/sites/default/files/yasal_izin_bilgi_notu_16_05_2016.pdf</p> <p>http://www.tubitak.gov.tr/sites/default/files/247_sayili_bk_islenmis_hali.pdf</p> <p>https://www.tubitak.gov.tr/tubitak_content_files/mevzuat/esaslar/ESASLAR_XI_3.pdf. (Specific rules concerning this call will be provided in Annex III).</p>
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Section 4. Background

TÜBİTAK and QNRF are jointly launching the Academia-Industry Cooperation call with the aim of supporting joint research projects in the area of application-oriented research and development. The theme of the first call is Cybersecurity.

The Scientific and Technological Research Council of Turkey (TÜBİTAK) is the leading agency for management, funding and conduct of research in Turkey. It was established in 1963 with a mission to advance science and technology, conduct research and support Turkish researchers. The Council is an affiliated institution of the Ministry of Science, Industry and Technology and is governed by a Science Board whose members are selected from prominent scholars from universities, industry and research institutions. TÜBİTAK is responsible for promoting, developing, organizing, conducting and coordinating research and development in line with national targets and priorities. In addition, TÜBİTAK carries out and monitors international scientific and technological collaboration activities with the rest of the world through the Directorate for International Cooperation.

The vision of **Qatar National Research Fund (QNRF)** is to enable research and development excellence in Qatar in order to achieve a diversified and sustainable economy through the advancement of research and education by providing funding opportunities for original, competitively-selected research and development projects at all levels and across all disciplines with an emphasis on the four pillars of the Qatar National Research Strategy (QNRS):

- Energy and Environment
- Computer Science and ICT
- Health
- Social Sciences, Arts and Humanities.

Section 5. Call Objectives

The aim of the call is to intensify cooperation between Turkish and Qatari participants in science and industry by means of Academia and Industry Cooperation. The theme of the first cycle is ‘Cybersecurity’.

“Academia-Industry Cooperation projects” are R&D projects which have the participation of at least one Turkish and one Qatari research institution/university as well as at least one Turkish and one Qatari commercial company or research end user. The funding is intended to enable foundations to be laid for a lasting R&D innovation partnership. The intention is to further develop innovative potential in areas of shared expertise and competence, so that a contribution can be made to tackling societal challenges by working to solve common issues.

Section 6. Research Priority Areas of this Call

The research priority areas of this call are

6.1. Cloud and Big Data Security

1. Methods for guaranteeing the integrity of data stored in the cloud.
2. Mechanisms for ensuring security in interaction with the cloud (authentication, integrity, privacy).
3. Cloud Access Security Broker (CASB) systems.

6.2. Security Systems in Mobile Devices and Applications

1. Systems that support secure mobile software development processes by performing automatic code inspection and vulnerability analysis.
2. Systems that enable code vulnerability analysis for both the application code itself and the libraries it contains.
3. Detection systems for weaknesses in operating systems and work environments.
4. The ability to dynamically perceive the risk level of the environment in which the devices/applications work and gain the ability to prevent sensitive operations.
5. Access or transaction constraints, depending on application behaviour and profiles.
6. Systems to make conformance analysis of the definition and behaviour of the application and guide users.
7. Platforms for virtualization of mobile applications.
8. Next generation hardware or software authentication systems compatible with the referenced sector regulations.

6.3. Critical Infrastructure Security with State Level Auditing and Compliance Requirements

1. Critical infrastructure security with state level auditing and compliance requirements
2. Research on providing the National Cyber Risk Assessment of all critical infrastructure components across TURKISH-Qatari Government authorities.
3. Research and developing on engineering assurance framework and necessary enforcement/compliance policies, procedures and processes.

Section 7. Scope of the Call

7.1. Funding Available

As a rule, Turkish academia and industry teams that are eligible for funding can receive up to approximately US\$ 1.4 million (5 million Turkish liras) of funding per proposal in total. The partner from academia cannot get more than the 40% of the total project budget, which means; the Turkish industry partner can get funding up to approximately US\$ 900 thousand (3 million Turkish liras) per project and the partner from academia can get funding up to approximately US\$ 500 thousand (2 million Turkish liras) per proposal.

The Qatar-based team that is eligible for funding can receive up to US\$ 250 thousand per project, per year, for up to three years depending on the type of the proposal. 100% of the proposed QNRF funded portion of research budget must be spent inside Qatar.

The size of the grant may vary depending of the needs of each project and must be fully justified.

TÜBİTAK-funded costs of each grant will be issued and managed by TÜBİTAK in accordance with its funding guidelines and procedures. Similarly, QNRF-funded costs of each grant will be issued and managed by QNRF according to its funding guidelines and procedures.

Applicants need to ensure that supported elements of the proposal abide by all regulations for each funding agency.

7.2. Duration of the Project

The duration of the projects on both software and hardware will be up to three years and on software only will be up to two years. After completion of the project, continuation of funding will be decided on case-by-case basis with reference to innovative insights,

exploitable research results and the creation of foundations for a well-founded and sustainable R&D innovation partnership between Qatar and Turkey.

Section 8. Eligibility

8.1. Eligibility of Proposal

8.1.1. It is a prerequisite that proposals include the participation of at least one Qatari and one Turkish research institution/university as well as at least one Qatari and one Turkish commercial company or research end user for Academia-Industry Cooperation proposals. TÜBİTAK and QNRF will cover the costs of their respective country's teams.

8.1.2. The proposal must be within one or more of the specific research priority areas described in **Section 6**.

8.1.3. Turkish and Qatar-based teams must be led by a Lead Principal Investigator (LPI), each.

8.1.4. Each proposal will have a Project Coordinator. The Project Coordinator will be selected from the LPIs of the proposal. The Project Coordinator is responsible for coordinating and submitting the application form and progress report to TÜBİTAK on behalf of the consortium.

8.2. Eligibility for the Turkish Team

The Turkish team will receive funding from TÜBİTAK 1071 Programme.

All Turkish researchers applying to this Programme should be registered to TÜBİTAK ARBİS (Researcher Information system) through the following link: <https://arbis.tubitak.gov.tr>

Rector, Vice Rector, Chief Physician, Deputy Chief Physician, Hospital Manager, General Manager, Assistant General Manager cannot be Principal Investigator in projects if their duties continue at the time of application. Members of the Group Executive Committee and the Advisory Board, who are in charge of this position at TÜBİTAK, cannot serve as Principal Investigator or advisor if their duties continue during the time of application but can serve as researchers within up to 2 projects.

8.2.1. Eligibility to Become Principal Investigator, Researcher (except researchers abroad), and Advisors:

8.2.1.1 University staff must hold a PhD degree (Proficiency in art/specialty in medicine. This rule is for employees of training and research hospitals).

8.2.1.2 If employed at public or private sector, they must hold at least a BA/BSc Degree.

8.2.2. Lead Principal Investigator and Principal Investigator:

8.2.2.1 The projects are expected to be composed of sub-projects managed at different institutions. The Lead Principal Investigator (LPI) is selected from the principal investigators (PI) of these sub-projects with a Consortium Agreement.

8.2.2.2 The LPI and PI must be employed as the permanent staff of the project proposing institution.

8.2.2.3 LPI, PI and researchers (except researchers abroad) must reside within the borders of the Republic of Turkey. A foreign national can take place in the project provided that he is employed at an institution within the borders of the Republic of Turkey.

8.2.3. Researchers and Advisors:

- 8.2.3.1 Anyone with a contribution rate below 10% cannot be assigned to the project as researcher.
- 8.2.3.2 In order to assign an advisor to a project, the project must have specific topics or topics that require special expertise and this should be justified in the project proposal. The number of advisors who will be employed in a project is limited to the number of topics required for that particular project.

8.2.4. Scholarship Students:

- 8.2.4.1 Undergraduate and postgraduate "Students" continuing their education in higher education institutions in Turkey or "Research Assistants" (RA) with student status and postdoctoral researchers can take a place in the project team as scholars.
- 8.2.4.2 Additional scholarships may be paid for post-graduate and post-doctoral scholars who receive full scholarships from BİDEB.
- 8.2.4.3 The sum of the additional scholarship payments from the BİDEB scholarship and the project cannot exceed the determined monthly scholarship limits.
- 8.2.4.4 Participants who receive partial scholarships from BİDEB will not be awarded a scholarship from the project budget.
- 8.2.4.5 Those who receive scholarships from any project supported by TÜBİTAK cannot receive scholarships from a second publicly funded ongoing project.

8.2.5. Post-Doctoral Fellowship Requirements:

- 8.2.5.1 Must hold a PhD degree and must not be affiliated to any institution,
- 8.2.5.2 Must not hold a title of Assoc. Prof. or above,
- 8.2.5.3 The period between the date of receipt of the degree of PhD / specialization in medicine and the deadline for the application of the relevant program must not be more than seven years.

8.3. Eligibility for the Qatar-based Team:

The Qatar-based team will be funded by QNRF.

8.3.1. Eligibility of Submitting Institution

- 8.3.1.1 Institutions inside Qatar with approved Research Offices (ROs) are eligible to submit proposals. See submitting institution and RO roles in the "Institution's responsibilities and Post-Award" document available at [link](#).
- 8.3.1.2 Submissions should be within the research area(s) of the submitting institutions, as declared by the approved ROs.
- 8.3.1.3 Authorized Research Office Representatives (ARORs) and other members of the RO are not eligible to participate in any project under this call.

8.3.2. Eligibility of Lead Principal Investigators (LPIs)

- 8.3.2.1 The LPI must be affiliated with a submitting institution inside Qatar. The LPI may collaborate with other research entities, located inside Qatar.
- 8.3.2.2 The LPI must hold a research-oriented doctorate or any of the approved terminal degrees as defined under the approved list of terminal degrees, which is available at [link](#).
- 8.3.2.3 LPI must be registered with QNRF on [link](#).

8.3.3. Eligibility of Principal Investigators (PIs)

- 8.3.3.1 A PI must be affiliated with a submitting institution in Qatar or a collaborating institution inside Qatar.
- 8.3.3.2 An eligible PI must hold at least a university post-graduate degree and he/she should have a suitable research experience relevant to the area of the proposal and the tasks assigned to him/her.
- 8.3.3.3 PI must be registered with QNRF on [link](#).

8.3.4. Other Research Team Members

Post-doctoral scholars, graduate students, research associates, research assistants, undergraduate students and lab technicians are considered research team members.

8.3.5. Eligibility of the Post-doctoral scholars

- 8.3.5.1. Must hold a PhD degree and must not be affiliated to any institution,
- 8.3.5.2. Must not hold a title of Assoc. Prof. or above,
- 8.3.5.3. The period between the date of receipt of the degree of PhD / specialization in medicine and the deadline for the application of the relevant program must not be more than seven years.

8.3.6. Graduate Students

A graduate student (GS) is permitted to participate in this CFP project provided that he/she is enrolled in a higher education degree program at the submitting or collaborating institution and that the indicated research activities are related to the GS's degree program. QNRF encourages the applicants to hire QRLP (Qatar Research Leadership Program) graduates and candidates and GSs from Qatar. The QRLP graduates and candidates will be at zero cost to the project.

8.3.7. Undergraduate Students

If necessary, the LPI may include undergraduate students as research team members under the "Undergraduate Student" roles on the QNRF online submission website, provided that their participation complies with their institution's policies.

8.3.8. Consultants

If the need for consultant (see definition) services is anticipated, the nature of the proposed consultant services must be justified and included in the proposal. The consultant services cannot be considered as scientific or intellectual contribution to the project.

8.4. Number of Roles

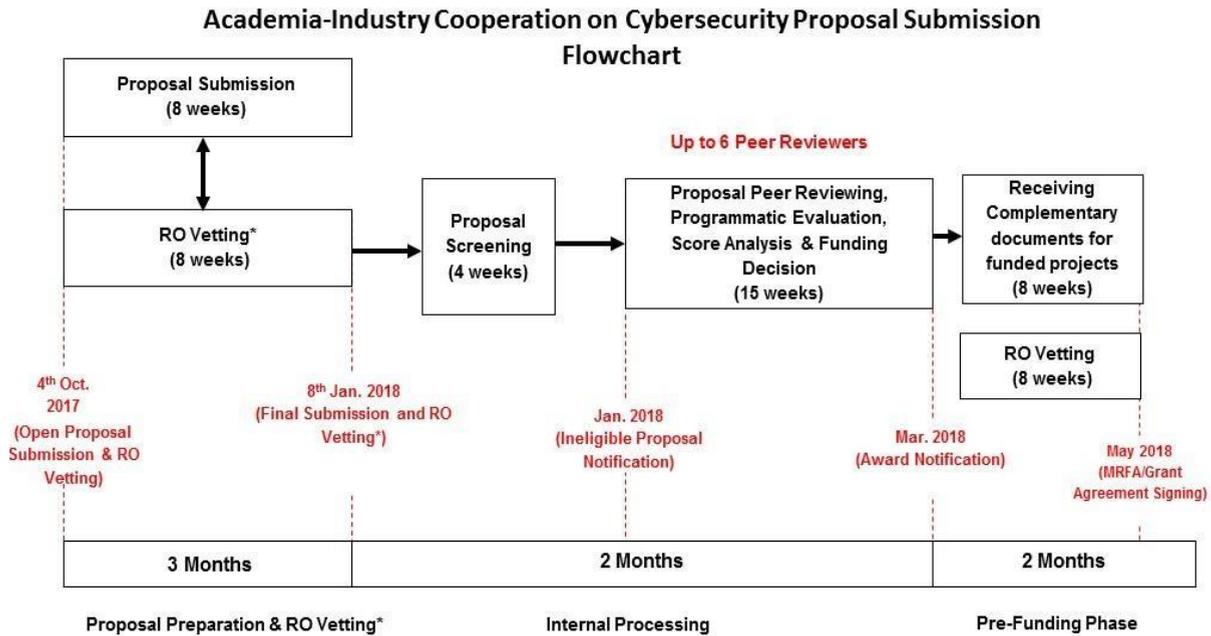
Within the scope of this call, an individual can take part in proposals as a LPI only once. Where the individual takes part in a proposal as a LPI, he/she can take only part as a PI only in one other proposal. The individual can however take part as PI in two proposals.

Section 9. Submission Process

9.1. Proposal Submission Flowchart and Timeline

9.1.1. Flowchart

The following flowchart illustrates the steps necessary from proposal submission by the LPI and the RO to the notification of the final award.



*RO vetting for the Qatar-based Team only.

9.1.2. Timeline

The following table shows important dates for the call.

Timeline For Academia-Industry Cooperation on Cybersecurity Call	
Description	Dates
Online registration of ROs, LPI and PIs from Qatar with QNRF.	Always Open
Open proposal submission to TÜBİTAK and QNRF as well as RO vetting* process.	4 th October, 2017 5 p.m., Istanbul/Doha time
Close proposal submission by LPI to TUBITAK and QNRF and RO vetting*.	8 th January, 2018 5 p.m., Istanbul/Doha time
Submission of the printed documents signed by the relevant sides and supporting documents by the Turkish applicants to TÜBİTAK.	15 th January, 2018
Notifying ineligible proposals	January, 2018
Awards Announcements	March, 2018

*RO vetting for the Qatar-based Team only.

Section 10. Budget

10.1. Grant and Effort Allocation for the Turkish Team

10.1.1 Budget items to be funded by TÜBİTAK are as follows:

- Personnel Expenses
- Scholarship Student Expenses
- Consumable Expenses
- Travel Expenses
- Service Procurement Expenses
- Tools and Equipment Expenses
- Indirect Costs (for private sector only)

10.1.2 A balanced distribution between the project budget items is required.

10.1.3 Payment will be allocated in annual periods following the technical and financial progress reports.

10.1.4 Please refer to TÜBİTAK Regulations for indirect costs.¹

10.1.5 The total budget including overhead and PIP cannot exceed 5 million TL. TÜBİTAK can revise the project budget accordingly.

10.2. Grant and Effort Allocation for the Qatar-based Team

10.2.1 100% of the proposed funded research effort must be conducted inside Qatar by the Qatar-based research team and 100% of the total annual budget must be spent inside Qatar.

10.2.2 For the budget of the Qatar-based team, please refer to the Budget Components document available at [link](#).

10.3 Co-funding Rules for the Qatar-based Team

For the Qatar-based team, QNRF encourages co-funded projects in this program. In such a case, applicants are requested to comply with QNRF's co-funding policy. Co-funding is accepted from Qatar-Based Institutions only. Fund matching will not be provided by QNRF.

Section 11. Online Submission Procedures

Turkish and Qatari applicants will prepare their joint application offline and submit it online via TÜBİTAK's online system by either LPI on behalf of the whole team, at:

[Uldb-pbs.tubitak.gov.tr](http://uidb-pbs.tubitak.gov.tr)

The LPI who submits the application form on behalf of the whole team to TÜBİTAK is called the project coordinator. **After the submission to TUBITAK by the project coordinator, the Qatar-based LPI needs also to be registered and submits an application through <https://www.qgrants.org/>.**

Prior to submission, both LPIs need to be registered with TÜBİTAK on: <https://arbis.tubitak.gov.tr/>

To complete the application process QNRF and TÜBİTAK might need supporting documents.

11.1 The supporting documents for the Turkish applicants are listed below:

11.1.1 For the Partner from the Academia:

- Ethics Committee, Legal / Special Permission Documents

¹ Only for private sector. Other costs cannot exceed 10% of the budget requested by the industry partner(s). The details of the expenses must be provided. Please refer to Article 9 of the following regulation: http://www.tubitak.gov.tr/sites/default/files/yonetmelik_iii_2_0.pdf

- Acceptance and commitment statements
- Certificate of Approval for Foreign Residents, if any, PIP paid in Turkey
- Approval of TÜBİTAK 's President (If there is any staff in the project that is affiliated with TÜBİTAK Research Institutes)

11.1.2 For the Industry Partner:

- Trade Registry Gazette
- Chamber Registration Record
- Financial Statement of the Past Year
- Signature circulars and authority document (by the firm official)
- Permission form (If the project is submitted by Technopark companies and the staff of the project is from university)

For the Turkish team, the Turkish applicants **who have completed their online application-** are expected to send the *printed documents which need to be signed by relevant sides* and the *supporting documents* by **January 15, 2018**. Applicants who do not provide the required documents will be rejected and can not apply to this call in the same call period.

11.2. Upon submitting the proposal to the TÜBİTAK system, the Qatar-based LPI is required to provide the below:

11.2.1 The Qatar-based LPIs and PIs need to be registered with QNRF and/or update their profile prior to submitting the application.

11.2.2 After registration, the LPI is required to register the proposal via the following website: <https://www.qgrants.org/> . For more information regarding the proposal registration and submission, please refer to Grant Application Guide (GAG), at [link](#).

11.2.3 The LPI can use the “Comments to QNRF” box to state the names and emails of peer reviewers (PRs) that QNRF should not utilize for evaluating the proposals, in addition to any other issue he/she needs to declare ahead of submission.

11.2.4 During the “Proposal Preparation”, the LPI has to submit the information according to the online sections listed below as well as upload documents as required.

11.2.4.1. Proposal Summary: This should be the same as the proposal abstract /summary used in the application form.

11.2.4.2. Submitting Institution’s Information: A research institution registered inside the State of Qatar that has appropriate research resources specialized in area(s) within QNRS and is responsible for submitting research proposals to QNRF. The LPI’s institution in Qatar will be considered as the submitting institution and will be responsible for vetting the proposal.

11.2.4.3. Collaborating Institutions’ Information: Institution **inside** the State of Qatar collaborating with the submitting institution in conducting the research proposal. If collaborative institutions are involved in the proposal, the LPI should enter the required information for each institution, including uploading an official support letter.

11.2.4.4. Personnel:

I. Research Team: The LPI can nominate research team members (see definition in section 2 above) from the submitting and collaborating institutions. PIs must be registered in order to be added to the proposal submission. The system will request the PIs to update their profiles with all required documentation/information, including those related to effort, in order to be added to the proposal.

II. Consultant: The LPI lists the consultants for the project. Consultants (see definition in section 2 above) must be registered in order to be added to the proposal.

- 11.2.5 Research Plan:** Upload the same application form submitted online by the project coordinator to TÜBİTAK.
- 11.2.6 Turkish Collaborator:** Insert the information about the Turkish LPI, PI(s).
- 11.2.7 Co-Funding:** In case of co-funding, the LPI is required to provide justification, the total amount of co-funding, including the expected structure of contributions and upload a commitment letter from the co-funder(s) signed by a dean or equivalent: [Link](#).
- 11.2.8 Ethical Compliance:** For research involving human subject(s), stem cells in human subject(s), research with laboratory animals, DNA research and biohazards materials, the LPI is required to comply with the regulations and policies set out by the Qatar Ministry of Public Health (MoPH) for the protection of human subjects and laboratory animals.
- 11.2.9 IP/Market:** In this section, there are some questions related to Intellectual Property that need to be addressed by the LPI.
- 11.2.10 Miscellaneous Documents:** This section may contain any supporting documents such as tables, appendices, etc. Documents wrongly uploaded under this section will not be considered. All the information required for the evaluation process should be included in the Research Plan.
- 11.2.11 Declarations:** The LPI should declare electronically that the proposal is his/her own work, except where appropriately referenced and that the proposal has not and will not be submitted in whole, or in part, for funding twice within the same cycle, or to other funding programs within QNRF, or other funding agencies other than TÜBİTAK.

Section 12. Proposal Screening

All submitted proposals are subject to screening for the Qatar-based team by QNRF according to the screening process outlined at [link](#).

All submitted proposals are subject to screening for the Turkish team by TÜBİTAK according to their national rules.

Section 13. Proposal Evaluation

13.1 Proposal Review and Ranking

The proposal review and ranking process comprises a number of assessment steps that first include peer review by external reviewers, followed by a joint expert panel to perform a programmatic review. The process is detailed below.

13.1.1 Evaluation Criteria

The proposals will be reviewed according to a set of evaluation criteria. The main headings of the evaluation criteria are listed below. Details of each criteria are listed in **Annex-II**.

- Scientific and technological excellence (40%)
- Project management, team and infrastructure (20%)
- Impact of the project (30%)
- Importance of bilateral cooperation (10%)
- “Appropriateness of project expenses” will also be evaluated, but not scored, in order to determine the possible funding to be approved by the funding agencies.

13.1.2 Peer Review

Up to six qualified, international, peer reviewers are recommended by TÜBİTAK and QNRF and organized by TÜBİTAK to evaluate each proposal according to the criteria listed below.

The reviewers will evaluate **and score** the proposals and provide **written feedback** to TÜBİTAK and QNRF.

13.1.3 Joint Expert Panel

Following the peer review, TÜBİTAK/QNRF joint expert panel will perform a programmatic review. The programmatic review is designed to assess and compare all proposals in a given specific research priority area. It takes into account the peer reviewers' comments and provides TÜBİTAK and QNRF with a ranking list of proposals. The ranking list will be divided into three categories that are "Highly Competitive", "Competitive", and "Not Competitive" as shown in the below table.

	Group	Evaluation Outcome	Description
Shortlisted – Programmatic Review	A	Highly Competitive – Awarded	The proposal was evaluated to be an excellent research project during the review process (with minor to negligible weaknesses) and is, therefore, considered "highly competitive" for funding.
	B	Competitive – Awarded	The proposal was evaluated to be a very good research project during the review process (with moderate to minor weaknesses) and is, therefore, considered "competitive" for funding.
	C	Not competitive – Not Awarded	The proposal was considered "not competitive" for funding, due to moderate to significant weaknesses identified by the review process as well as limited funds.

13.1.4. Joint Management Meeting

At the end of the review and ranking processes, proposals to be funded will be selected jointly by TÜBİTAK and QNRF managements after considering their national strategy and priorities.

At the end of the review and ranking processes, proposals are categorized in terms of their competitiveness. The final funding decision will group proposals as shown in the table above.

Section 14. Pre-Award

14.1 Awarded proposals will go through a pre-award stage, which starts after the announcement of results, and continues for approximately eight weeks. During the pre-award period, the awarded institution will be notified about the requirements (possible budget reduction, budget details, timeline changes, etc.).

14.2 During the pre-award phase, the LPI needs to provide any requested information related to the data management plan.

14.3 The project coordinator needs to provide the Consortium Agreement to TÜBİTAK and QNRF.

For Qatar-based team, please see more information on the pre-award stage in the "Institutions Responsibilities and Post Award" document available at [link](#).

Section 15. Post-Award

The Project Coordinator of each project has to prepare an annual financial and scientific/technical progress report to be submitted both to TÜBİTAK and to QNRF. Payments will be allocated following the joint approval of the progress reports by the funding agencies.

For the Qatar-based team, for rules and regulations related to pre-award, fund management, payment schedule and reporting, please refer to the institutions' responsibilities and post award document available at [link](#).

For Turkish teams,

- The supported projects will be monitored tri-annually via physical site visits.
- A letter of guarantee for the whole budget share of private sector concerning the relevant payment period has to be provided by the PI of private sector partners and submitted to TÜBİTAK by the Turkish LPI. The guarantee letter should cover the payment period and the six months following the end of the project.

Section 16. Research Ethics and Regulatory Requirements

For the Qatar-based team, please refer to the Research Ethics and Regulatory Requirements document available at [link](#).

For the Turkish team, please refer to the Ethics Committee Approval Document, Official Permission Document and Research and Publication Ethics Committee Regulation:

http://tubitak.gov.tr/sites/default/files/etik_onay_bilgi_notu_23_07_13.pdf.

http://tubitak.gov.tr/sites/default/files/yasal_izin_bilgi_notu_16_05_2016.pdf

http://www.tubitak.gov.tr/sites/default/files/247_sayili_bk_islenmis_hali.pdf

The proposed research must meet all the requirements of applicable Ministry of Public Health (MOPH) regulations and policies for the protection of human subjects, clinical trials, data safety monitoring, vertebrate and biohazardous substances.

Section 17. Research Integrity

For further information regarding research integrity and other related policies, please see the Research Integrity Guide (RIG) at [link](#) and the Research Ethics Guide (REG) at [link](#).

Section 18. Intellectual Property Policy

QNRF will follow the Qatar Foundation (QF) IP policy. Please consult the QNRF website for details on the applicable intellectual property policy <http://www.qnrf.org/en-us/Funding/IP-Policy>.

TÜBİTAK will follow the IP policy with reference to the document available at:

http://www.tubitak.gov.tr/tubitak_content_files/mevzuat/esaslar/ESASLAR_XI_3.pdf

Specific rules concerning this call will be provided in **Annex III**.

Section 19. Inquiries

For any inquiry regarding the Turkish team and the electronic proposal submission process, please send an email to uidb@tubitak.gov.tr.

For any inquiry regarding the Qatar-based team, please use QNRF's **Support link** on the website (<http://support.qnrf.org/index.php?/Tickets/Submit>).

Annex I: Summary of Funding Agencies Guidelines

(For details, please refer to the relevant sections in the CFP)

Country	Qatar
Funding agency	QNRF
Contact	For inquiries, http://support.qnrf.org/index.php?/Tickets/Submit
Maximum funding per awarded project	<ul style="list-style-type: none"> • The Qatar-based teams that are eligible for funding can receive up to US\$ 250 thousand per project per year. The proposals duration is up to three years for a hardware and software project and two years for a software project and • 100% of the proposed QNRF funded portion of research budget must be spent inside Qatar.
Eligibility of the Submitting Institution	Institutions inside Qatar with approved Research Offices (ROs)
Main LPI eligibility	<ol style="list-style-type: none"> 1. The LPI must be affiliated with a submitting institution inside Qatar. He/she is eligible to apply for one proposal per cycle. 2. The LPI must hold a research-oriented doctorate or any of the approved terminal degrees as defined under the approved list of terminal degrees.
Co-funding	QNRF encourages Qatar-based co-funded (in-kind or in-cash) proposals from Qatar-based entities in this program. Fund matching is not provided by QNRF.

Country	Turkey
Funding agency	TUBITAK
Contact	Ms. Nihad Nassar, uidb@tubitak.gov.tr
Maximum funding per awarded project	4 Million Turkish lira (excl overhead and PIP)
Eligibility of the Submitting Institution	Institutions inside Turkey
Main LPI eligibility	Please see Section 6.
Co-Funding	Allowed with no fund matching.

Annex II: Evaluation Criteria and Scores

Evaluation Criteria

1. Scientific and Technological Excellence (Maximum Score 40)

- Presentation of the project proposal with concrete / measurable targets, outputs and solution suggestions
- Literature / patent researches made
- Technical feasibility studies and determination of the standards / conditions to be followed for the project output made during the project preparation
- Originality and innovative nature of the project and relationship to the “state of art” of research in the field
- Inventive conceptual/theoretical contributions to the related scientific/technological areas
- Feasibility of the scientific approach
- Innovation level of the project output in the international market
- Research and technological quality including inter-disciplinary and multi-disciplinary aspects
- Level of technical challenge of the proposal
- Use of a technology that is critical to the first-ever development of an industry, product, process in Turkey & Qatar
- Strategic priority of the technology that is to be used in the project for the country
- Distribution of the original contribution of the consortium components to the R & D and technical / technological content of the project

2. Project Management, Team and Infrastructure (Maximum Score 20)

- Feasibility and suitability of the methodology to achieve the project goals
- Feasibility and suitability of the work packages defined to achieve the goals of the project
- Suitability of time intervals and durations of work packages with the goals of the proposal
- Suitability of the person in charge for each work package
- Feasibility of risk management plan for critical risks, relating to project implementation
- Feasibility of risk management plan for critical risks, relating to budget
- Balance of industry and academia roles in terms of R&D in the proposal
- Capability and capacity of the industrial partner(s) in the project team
- Capability and capacity of the academic partner(s) in the project team
- Quality and sufficiency of infrastructure/facilities to conduct the project
- Proper use of human resources and infrastructure

3. Impact of the Project (Maximum Score 30)

- Accumulation of knowledge to be gained through the project's outputs
- Potential to increase high-quality employment in Turkey & Qatar
- Impact of the project output on the competitiveness of the industrial partner and productivity growth
- Potential for economic return
- Adequacy of market research and economic feasibility
- Potential of the project to reduce the external dependency of Turkey & Qatar in the field
- Anticipation of the risks and sufficiency of measures taken against them to execute the project and commercialize the targeted output
- Potential of the project's output to create a new market or use area

- Potential of the project's output to provide efficiency-productivity growth and cost decrease to the industrial partner
- Potential of the project's output to be patented
- Potential of the project to trigger new R & D projects
- Potential to create socio-cultural benefits
- Positive effects of project on the environment

4. Bilateral Cooperation Aspects (Maximum Score 10)

- International strategical value of the technology related to / involved in the project
- Impact of the project to increase international academia-industry collaborations
- Level of collaboration between project partners
- Sustainability of the expected collaboration between project partners
- Quality of the relationship and distribution of roles and responsibilities between industry and academia
- Benefit and contribution of academia to industry
- Clarity of the way to share and embrace the project output between project partners
- Potential for creating long-lasting collaboration between project partners

5. Appropriateness of Project Expenses

- The appropriateness of person-month rates and total person-month value, taking into account the competence of the staff and the current workload
- Travel Expenses (those directly related to R & D activities should be indicated)
- Device / Equipment / Software / Publication Purchases
- Activities Handled by National R&D Institutions (Content, relation with the project, budget, preliminary contact with the related institution, whether or not a contract has been made, repetition, as well as the obligation of obtaining foreign consultancy and services and affordability with domestic facilities etc. should be taken into consideration.)
- Consultancy Services and Other Service Procurements (Content of project consultancy and service procurement and contributions to the project should be examined.)
- Appropriateness of material purchases and quantities for project R & D work
- Patent Expenditures
- If you are interested in improving the quality of the project's R & D, in deepening the scientific and technological dimension, and in increasing the effectiveness of the project, please indicate your suggestions. In case you deem necessary, you can also inform the partners about your suggestions.

Annex III: Intellectual Property Rights

1. Definition of Terms

"Beneficiary" means, in the case of TÜBİTAK, the Party or Parties conducting the work with funding provided by TÜBİTAK.

"Awardee" means, in the case of QF, the Party or Parties conducting the work with funding by Qatar Foundation.

"Parties" means TÜBİTAK Beneficiaries, QF or QF Awardees, and "Party" means any of the Parties.

'Background' refers to any data, know-how or information, both tangible and intangible, including any rights such as intellectual property rights — that:

- (a) is held by the Parties before their accession to the Agreement, and
- (b) is needed to implement the action or exploit its results.

"Intellectual Property" means all intellectual property including, without limitation, copyrights and similar rights, database rights, utility models, trademarks, inventions, service marks, patents, design rights (whether registered or unregistered), topography rights, know-how, trade secrets, confidential information, trade names, rights and applications for any of the foregoing anywhere in the world and all other legal rights protecting intangible proprietary information.

'Results' refers to any output of the action, whether tangible or intangible, such as data, knowledge or information — no matter its form or nature, whether able to be protected or not — that is produced in the action, as well as any accompanying rights, including intellectual property rights.

'Access rights' refers to rights to use results or background under the terms and conditions laid down in this Agreement.

2. Agreement on background

All Background Intellectual Property is the separate sole Intellectual Property of QF, QF Awardees or TÜBİTAK beneficiaries and is not affected by this Agreement. This Agreement shall not be construed as implying that either Party hereto shall have the right to use Background Intellectual Property of the other in connection with this Agreement other than as provided in this Agreement. The Parties shall identify and agree in written form, on the background for the action ('agreement on background').

3. Non-compliance

The grant may be reduced in cases where a Beneficiary breaches any of its obligations under this Article.

4. ACCESS RIGHTS TO BACKGROUND

Exercising and waiving access rights — No sub-licensing

Written request must first be produced in order to exercise access rights ('request for access'). Access rights can only be waived in written form.

Access rights do not include the right to sub-license, unless otherwise agreed in writing.

5. OWNERSHIP OF RESULTS

In the case of work funded by TÜBİTAK, Results are owned by the beneficiary that produces them. TÜBİTAK shall have an unlimited, irrevocable, non-exclusive and royalty-free license to the intellectual property rights of any intellectual product. **Joint ownership by several creators of Results**

Jointly made Results shall be jointly owned by the Parties

Results are jointly owned by two or more Parties if:

- (a) They have jointly produced them and
- (b) It is impossible to:
 - (i) Establish each Party's respective contribution, or
 - (ii) Separate them for the purpose of applying for, obtaining or maintaining their protection.

In order to ensure the joint owners' compliance with their obligations under this Agreement, they must agree in writing on the allocation and terms of exercise of their joint ownership ('joint ownership agreement').

6. PROTECTION OF RESULTS

Obligations of TÜBİTAK Beneficiaries

Each beneficiary is obligated to examine the possibility of protecting its results and must adequately protect them — for an appropriate period and with appropriate territorial coverage — if:

- (a) It is reasonable to expect the results to be commercially or industrially exploited and
- (b) Protecting them is possible, reasonable and justified (given the circumstances).

The beneficiary must consider its own legitimate interests as well as those of the other beneficiaries (especially commercial) when deciding on protection.

7. EXPLOITATION OF RESULTS

Obligation of TÜBİTAK Beneficiaries to exploit the results

Each beneficiary is obligated — up to four years after the start of project— to take measures aiming to ensure 'exploitation' of its results (either directly or indirectly, in particular through transfer or licensing) by:

- (a) Using them in further research activities (outside the action);
- (b) Developing, creating or marketing a product or process;
- (c) Creating and providing a service, or
- (d) Using them in standardisation activities.

Obligations of QF Awardees

QF Awardees agree to promptly disclose all Results produced by them to IPTT in accordance with QF procedures. This includes properly disclosing to IPTT any Intellectual property with sufficient technical detail to convey a clear understanding, to the extent known at the time of the disclosure, of the nature, purpose, and operation of the Intellectual Property. The disclosure should also identify any known actual or potential statutory bars of the invention.

Protection, Management and Exploitation of Jointly Owned Results

In the event that Intellectual Property has been jointly created by TÜBİTAK Beneficiary (ies) and QF, the joint owners shall enter into an Intellectual Property Management Agreement, which shall govern how the jointly owned results will be protected, managed and exploited.