



**ENIAC-ED-51**

**GUIDE FOR APPLICANTS  
Call ENIAC-2011-2**

**Version 2.1**

**This Call differs from the previous Calls as there is NO Project Outline phase but only a Full Project Proposal phase.**

Disclaimer

This Guide is based on the rules and conditions contained in the legal documents applicable to the ENIAC Joint Undertaking and the national funding schemes of the ENIAC member States. The Guide does not in itself have legal value, and thus does not supersede these documents.

The ENIAC JU reserves the right to publish modifications to the Guide for Applicants not later than 14 days prior to the deadline for the submission. The modifications are published on the same webpage as this Guide.

Further copies of this Guide, together with all information related to this Call for Proposals, can be downloaded from <http://www.eniac.eu>

V2.1: changes suggested by Germany included

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## 1 Synopsis of the call

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- Call reference
  - Call title: **ENIAC Call 5**
  - Identifier: **ENIAC-2011-2**
- Indicative timetable for Call ENIAC-2011-2
  - The indicative timetable is posted on **www.eniac.eu**
- Indicative Budget of Call ENIAC-2011-2
  - The indicative budget is posted on **www.eniac.eu**

## 2 Lost in translations?

Abbreviation used in this document	Meaning
AENEAS	An association constituted of European R&D actors in the nanoelectronics.
AWP	The Annual Work Programme selects which Grand Challenges defined in the MASP shall be addressed in the current year.
Coordinator	The Coordinator is the legal entity which manages the preparation, submission, coordination and implementation of the project.
ENIAC JU	A public-private partnership focusing on nanoelectronics that brings together ENIAC member States, the European Commission, and AENEAS.
EPSS	Electronic Proposal Submission Service is the tool used in the ENIAC Call-2011-2.
FPP	Full Project Proposal is the complete and detailed description that is evaluated by experts.
IRC	The Industry and Research Committee is the body of ENIAC JU in charge of defining the research agenda. Its members are nominated by AENEAS.
JU GA	The Joint Undertaking Grant Agreement is the agreement between the ENIAC JU and a consortium for a project selected for funding in the frame of the ENIAC JU programme.
MASP	The MultiAnnual Strategic Plan describes the research strategy for ENIAC JU and is coherent with the VMS document.
NFA	The National Funding Authority is the national entity that signed an Administrative Agreement with the ENIAC JU, manages the implementation of the project of the country and provides national funding for participants.
NGA	National Grant Agreement is the agreement between a partner and the National Funding Authority.
PA	The Public Authorities of the ENIAC JU are the ENIAC member States and the Commission.
PAB	The Public Authorities Board is the body of the ENIAC JU composed of the ENIAC PA
Part A	Part of a proposal containing a summary of the proposal and information about the participants.
Part B	Part of a proposal containing the technical description also known as Technical Annex or Description of Work.
Part C	Part of a proposal containing information about eligibility and funding of

	participants, of particular interest for NFA.
PCA	A Project Consortium Agreement
PO	Project Outline is the first description of a project proposal. A project outline as the name indicates does not contain all the details of a proposal but enough to assess its relevance.
Project Coordinator	The person appointed by the Coordinator to execute the project.
VMS	The Vision, Mission and Strategy document is a document common to the Catrene and ENIAC JU programmes integrating a vision, a mission and a strategy for the European nanoelectronics sector.

### 3 Where do I find more information?

In addition to this guide, it is strongly recommended that interested organisations consult the ENIAC JU website regularly as well as the documents listed below:

Abbreviation used in this document	Title of the document	Official reference	What you can find in there
GUIDE	Guide for Applicants	ENIAC-ED-51	The general eligibility criteria as well as evaluation criteria and sub-criteria are set out in this Guide for Applicants
TEMPLATE	Template for Part B	ENIAC-ED-52	to be used in preparing the technical annex in the FPP phase
NATIONAL CRITERIA	National Eligibility criteria and Funding rules for Call ENIAC-2011-2	ENIAC-ED-53	National eligibility criteria National funding rules References to national contact persons and websites
AWP	Annual Work Programme 2011	ENIAC-PAB-62-10	The AWP valid for the Call: ENIAC-2011-2
MASP	Multi Annual Strategic Plan 2010	ENIAC-GB-0105	MASP2010
REGULATION	Council Regulation (EC) No. 72/2008 setting up the ENIAC Joint Undertaking	COUNCIL REGULATION (EC) No72/2008 of 20 December 2007	The rules governing the ENIAC JU
TOOLGUIDE	Guide for the proposals submission tool	ENIAC-ED-54	How to submit a proposal using the electronic submission tool.
FINANCIAL GUIDE	Guide to Financial Issues	ENIAC-ED-22	Financial rules in the frame of ENIAC JU projects.
JU-GA	Joint Undertaking Grant Agreement	JU-GA (ENIAC-GB-0030)	The model JU-GA that is used for all ENIAC JU projects.

An ENIAC helpdesk will be open for the duration of the Call:

<p><b>ENIAC JU Helpdesk</b></p> <p><b>email: <a href="mailto:eniac@eniac.europa.eu">eniac@eniac.europa.eu</a></b></p> <p><b>Tel: +32 2 221 81 03</b></p>
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Useful information may be also found through the following websites.

Important websites	What you can find there
<a href="http://www.eniac.eu">www.eniac.eu</a>	You can find here: The Call page All documents mentioned in this document More information on the ENIAC JU Projects supported by the ENIAC JU And much more
<a href="http://circa.europa.eu/Public/irc/eniac/Home/main">circa.europa.eu/Public/irc/eniac/Home/main</a>	Look here for public documents of the ENIAC JU, including procedures
<a href="http://cordis.europa.eu/home_en.html">cordis.europa.eu/home_en.html</a>	This is the gateway to European research and development. Cordis provides information on R&D projects and programmes supported by the European Union budget
<a href="http://cordis.europa.eu/fp7/ncp_en.html">cordis.europa.eu/fp7/ncp_en.html</a>	National contact points for ICT projects, they can help you with contacts at the national level. Also look in the ENIAC-ED-53“National Eligibility Criteria and Funding Rules” document for contact points specific for the the ENIAC JU programme
<a href="http://www.eniac.eu/web/aeneas/aeneas_ex.php">www.eniac.eu/web/aeneas/aeneas_ex.php</a>	Aeneas the organization representing the industry and other partners of the ENIAC JU, you can find support here.
<a href="http://www.ideal-ist.net/">www.ideal-ist.net/</a>	You can find partners here.
<a href="http://www.ipr-helpdesk.org/index.html">www.ipr-helpdesk.org/index.html</a>	You can get help on intellectual property issues here.

## 4 The road to an ENIAC JU project

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**This Call differs from the previous Calls as there is NO Project Outline phase but only a Full Project Proposal phase.**

Following the launch of the call, participants are expected to register their proposal by submitting the Full Project Proposal (FPP) before the deadline.

The submitted FPPs are then evaluated in order to identify those whose quality is high enough to justify public funding. This evaluation includes a peer-review carried out by independent experts.

After the evaluation of the proposals by the experts, the PAB of the ENIAC JU decides on the selection of proposals and the allocation of public funding (ENIAC JU and national funding).

Following the PAB decision, the ENIAC JU enters into negotiations with the consortia having submitted the selected proposals taking into account the maximum public funding allocated and the potential recommendations for changes.

If negotiations are successfully concluded, participants from ENIAC member States are in the position to conclude NGAs with their respective NFAs that will constitute the legal basis for receiving national financial contributions.

After conclusion of NGAs the participants must access to the ENIAC JU GA. This step is necessary to claim the ENIAC JU financial contribution (if applicable).

Consequently, each project participant established in an ENIAC JU member State thus receives two streams of funding: one from the ENIAC member state and one from the ENIAC JU.

If the participant comes from an EU Member State or a country associated to the Framework Programme (see chapter 5) that is not an ENIAC member State and did not conclude an Administrative Agreement with the ENIAC JU, only the JU GA shall be signed, and any possible national funding will not be visible to the ENIAC JU. The remaining financial support must come from the participants' own resources.

The following diagram illustrates the project selection procedure.

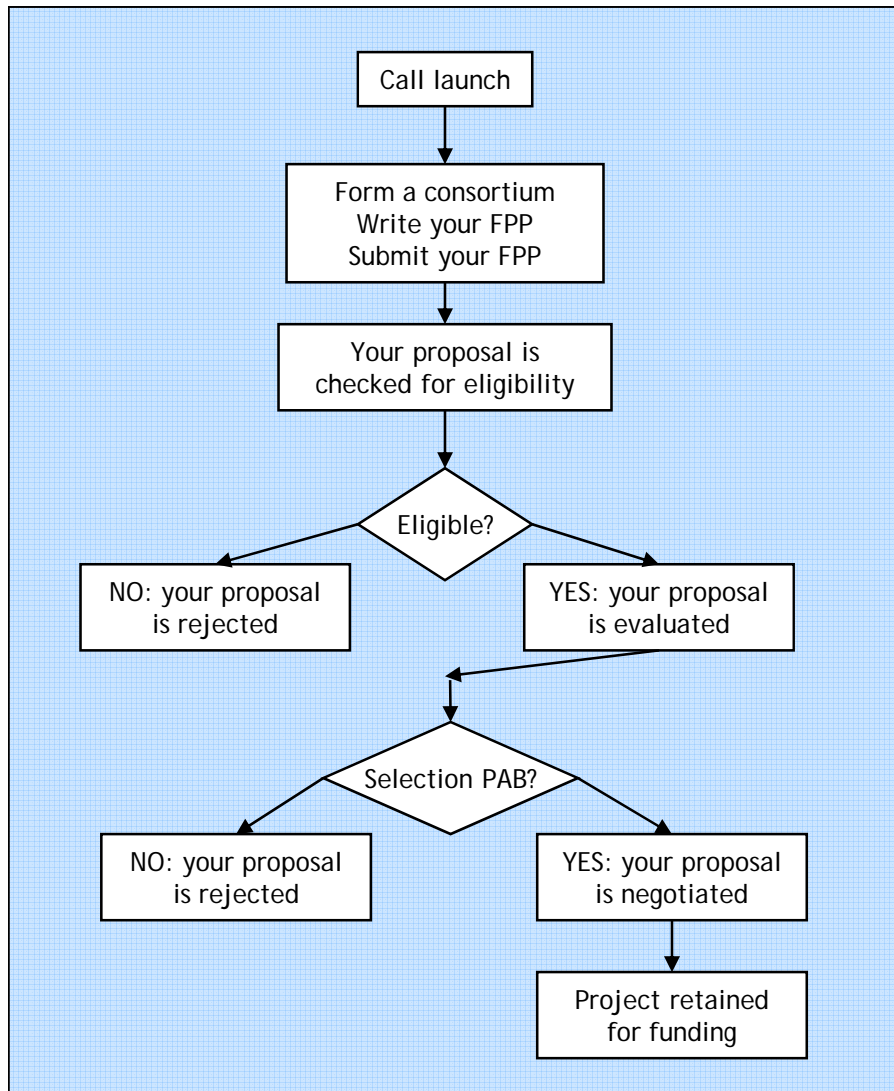


Figure 1: From idea to project

## 5 Step 1: Getting started

*In this step you will:*

1. *Form a consortium ⇒ check Box 1 “Who can participate?”*
2. *Check the documents ⇒ check the chapter 3 “Where do I find more information?”*
3. *Check the objectives for this Call ⇒ check the AWP 2011.*

You are highly encouraged to get in touch with your NFA at an early stage of the proposal preparation. The national ENIAC Contact Points are provided in the document ENIAC-ED-53 "National Eligibility Criteria and Funding Rules". They can provide advice and support to organisations which are preparing proposals for the ENIAC Call.

**Who can participate?**

In principle, any legal entity may participate in a proposal no matter where it is established. A legal entity can be a so-called "natural person" (e.g. Mme Dupont) or a "legal person" (e.g. National Institute for Research).

Participants in an ENIAC JU project are eligible for ENIAC JU funding only if they come from either from an ENIAC member State or from an associated country, under the conditions set forth in the Council Regulation 72/2008, article 13 of the Annex.

- ENIAC member States are: Austria, Belgium, Czech Republic, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden, United Kingdom.
- Other EU Member States and Associated countries (including the European Commission's Joint Research Centre) are presently: Albania, Bosnia & Herzegovina, Bulgaria, Croatia, Cyprus, Denmark, Iceland, Israel, Faroe Islands, Liechtenstein, Lithuania, Luxembourg, FYR Macedonia, Malta, Montenegro, Serbia, Slovenia, Switzerland and Turkey [1].

The consortium must be composed of at least three 'legal entities' established in at least three different ENIAC JU member States. The entities must be independent of each other.

## 6 Step 2: Preparing your Full Project Proposal

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*In this step you will:*

1. *Collect the information*
2. *Use the templates to write your FPP*
3. *Check your proposal for the evaluation criteria*
4. *Deciding for a start date and a duration*

### 6.1 Which information do I need?

The information requested in the FPP phase consists of:

1. Part A: Administrative Information which provides information about the proposal and the participants. Each of the partners in the consortium can introduce his own information with the submission system.
2. Part B: Technical description of the proposal allows the evaluation of the proposal. The document is written using the ENIAC-ED-52 Template for Part B.
3. Part C: Further information is the form of .pdf documents, that allows national authorities to verify eligibility and funding for the Beneficiaries. Please refer to the document ENIAC-ED-53 "National Eligibility Criteria and Funding Rules" for more country specific information. In certain circumstances, documents can be accepted by the national authorities from beneficiaries even after the deadline of the submission.

## **6.2 How do I use the template to write my proposal?**

It is **MANDATORY** for Part B to use the **TEMPLATE** (MS Word and MS Excel spreadsheet).

**Both documents must be uploaded within the EPSS system but the WORD document must first be converted to a .pdf document.**

Be clear and concise in your description, prefer quality above quantity. Edit your proposal tightly, strengthen or eliminate weak points. Put yourself in the place of an expert evaluator. Ask for experienced colleagues to review your draft.

Only black and white copies of Part B are used for evaluation and you are strongly advised therefore not to use colour in your document. Do not insert hypertext links, only the text of your Part B will be read, not any documents linked to it.

It is recommended to print out your Part B and double check that it really is the file you intend to submit, and that it is complete, printable and readable. It is impossible to replace Part B after the deadline for submission.

## **6.3 Against which evaluation criteria will my proposal be evaluated and how will it be scored?**

The evaluation criteria against which proposals will be evaluated are set out in the document ENIAC-PAB-4-08: "ENIAC Joint Undertaking selection and evaluation procedures related to Calls for proposals".

The 5 evaluation criteria are:

- (1) Relevance and contributions to the objectives of the Call
- (2) R&D innovation and technical excellence
- (3) S&T approach and work plan
- (4) Market innovation and market impact
- (5) Quality of consortium and management.

These 5 evaluation criteria match the chapters of the Part B.

The experts will be asked to evaluate each criterion and give a score between 0 and 10. Criteria (1), (2), (3), and (5) will have a weight of 1 and criterion (4) will have a weight of 2. The threshold for the individual criteria (1), (2), (3), (4) will be 6. There is no threshold for the individual criterion (5). The overall threshold, applying to the weighted sum of the five individual scores, will be 40.

They will be guided by a number of open questions for each criterion.

1. Relevance and contributions to the objectives of the Call
  - How relevant is the project in relation to the selected Sub Programme targets and Grand Challenges of the AWP?
  - How much does this project contribute to the overall ENIAC JU objectives as listed in the MASP?
2. R&D innovation and technical excellence
  - How sound is the core concept of the project?
  - Are the objectives and expected results clearly defined?

- Are the objectives realistic?
  - Is there Progress beyond the state-of-the-art?
3. Scientific & Technological approach and work plan
- Are the challenges well identified?
  - Is the chosen approach effective in tackling the challenges of this project?
  - Is the work plan comprehensive, coherent, well structured? Are the individual tasks, deliverables, demonstrators, milestones clearly identified?
  - Is the work plan, including schedule, resources and work breakdown, adequate for implementing the chosen approach? Is it realistic?
  - Are the activities appropriately selected in resolving the challenges towards the objectives of the project?
  - Will the results of the project be demonstrated in a convincing way?
  - Does the deliverable plan provide for a sufficient coverage of all the activities identified in the work plan?
  - Does the milestone plan allow for a clear scheduling and follow-up of the project?
  - Does the approach provide for demonstrators? Do those demonstrators validate the objectives of the project?
4. Market innovation and market impact
- Are the market analysis section including competitor descriptions and market opportunities well researched and complete?
  - What are the exploitation plans of the industrial partners?
  - What contribution is this project expected to deliver in terms of market impact within 1, 3 and 10 years after the end of the project?
  - Does the expected impact contribute to the general strategy as discussed in the MASP?
  - How appropriate are the measures that are proposed for the dissemination of project results?
  - Is the project contributing to standards and if yes how?
  - Is the project contributing to the generation of IP and if yes how much?
  - Is the management of IP described?
5. Quality of consortium and management
- How appropriate are the management structure and procedures?
  - How relevant is the experience of the individual participants?
  - How good are the experience, the capacities and skills of the individual participants?
  - Is the consortium as a whole well suited to implement the project? Are the partners complementary in their capacities and experiences? Do the appropriate partners cover all activities? Is there a good involvement of SMEs?

- Appropriateness of the level, allocation and justification of the resources to be committed (budget, staff, equipment)

Projects that are below the threshold for one criterion or for the total score will not further be considered for the selection procedure.

The final list of projects selected for funding is decided by the PAB taking into account the proposals' synergy with EU and national R&D and Innovation policies and activities as well as the overall coverage of the objectives of the Call. Only the R&D policies that are applied by the Union and national governments at the time of the Call and that have been made widely and publicly available can be taken into account.

## **6.4 Deciding start date and duration**

The start date of a project is the point in time at which the project partners start their activities and can generate costs. This date can be prior to the signature date of the JU GA and/or NGA. German partners must take into account that eligible costs are only recognized after the signature of a NGA.

The duration of a project is usually three years. A longer duration must be clearly justified. Projects with shorter duration can be accepted.

## **7 Step 3: Upload and Submit your FPP**

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*In this step you will:*

1. *Upload the documents using the submission tool*
2. *Submit your proposal*
3. *Check for your confirmation letter*

The upload and submission of the proposal are done electronically using a web-based portal. A link to the web page to access the portal is given on the Call page.

The coordinator and the participants can upload information, but it is the coordinator's responsibility to check that all information has been uploaded correctly and to submit the proposal.

The coordinator must make sure that all members of the consortium are in agreement to submit the proposal on their behalf.

Refer to the TOOLGUIDE for all the details on upload and submission.

***The « Parts of Ten » for uploading and submitting a proposal***

- Call deadline for FPP is absolutely firm and is strictly enforced;
- Only the coordinator is authorised to submit the proposal. Bear in mind that this requires the ability to use EPSS;
- Some cells have a limited set of values, those will appear in a drop down menu or in a separate window. If you cannot introduce a value in a cell, look for the window: it might be hidden behind some other open windows on your desktop;
- Part C must be in .pdf;
- The overall limit size for Part C is 10 Mbytes;
- Part B consist of an EXCEL table and a .pdf document;
- The overall limit size for Part B is 10 Mbytes;
- For larger documents, please contact the ENIAC JU Helpdesk;
- Part B/C filename must be made up only of the letters A to Z and numbers 0 to 9 without any special characters or spaces. For easy reference always include the acronym of your project at the beginning of the string of characters in the file name;
- The proposal can only be submitted after all problems have been corrected;
- You must press the button "SUBMIT PROPOSAL" in order to validate the submission;
- As soon as you have a reasonable, even if not final version of your proposal hit the SUBMIT PROPOSAL button! After this submission and always before the deadline, you will still be able to further improve your proposal and re-submit it. However, if you input all the files of the proposal and are surprised by the deadline before pressing the SUBMIT PROPOSAL button, the system will be blocked and your proposal cannot be considered any more!

***Time keeps ticking! Keep a close eye on the deadline for submission!***

The deadline for submission is strictly enforced, therefore:

1. Have you made yourself familiar with the submission system early enough?
2. Have you allowed time to submit a draft version of your proposal well in advance of the deadline (at least several days before), and then continued to improve it with regular resubmissions?
3. Have you completed the submission process for your final version by pressing the SUBMIT PROPOSAL button?

The ENIAC JU Secretariat receives all proposals within the fixed deadline. An acknowledgement of receipt is automatically sent by EPSS to the contact person for partner no. 1, partner no.1 being the Coordinator of the project. This does not imply that the FPP has been accepted as eligible for evaluation.

If you, as coordinator, did not receive an acknowledgement of receipt within 12 working days after the call deadline, you should contact the ENIAC JU Helpdesk. However, first please check that you are the person named in the proposal as contact person for partner no.1, check the email address provided, and check the spam mail box of your email system for a few days following the deadline of the call. Technical issues in the submission process will be clarified by ENIAC JU Secretariat, and if needed, decided upon by the Executive Director of the ENIAC JU.

## 8 Step 4: Eligibility check of your FPP

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The ENIAC JU Executive Director will:

1. check eligibility
2. inform you in case of non-eligibility

First the ENIAC JU Secretariat checks the validity of the submission based upon the following six criteria:

1. The proposal was submitted before the deadline according to the timestamp provided by EPSS.
2. The content of the FPP is aligned with the topic(s), strategies and policies described in the AWP 2011 and the MASP as per the statement made under the Part B, chapter "Relevance and contributions to the content and objectives of the Call".
3. The proposal involves at least 3 non-affiliated legal entities established in at least 3 ENIAC member States as per the information provided in Part A.
4. All mandatory information requested for Part B is provided.
5. The documents for Part B are provided in English. Part A should be filled in in English where relevant.

Second the ENIAC JU carries out the necessary verifications against the following eligibility criteria for the ENIAC JU funding:

1. The participants have their location in an EU Member State or in an associated country.
2. The participants are not, at the time of the grant award procedure, in one of the following situations<sup>1</sup>:
  - they are bankrupt or in the state of being wound up, are having their affairs administered by the courts, have entered into an arrangement with creditors, have suspended business activities, are the subject of proceedings concerning those matters, or are in any analogous situation arising from a similar procedure provided for in national legislation or regulations;
  - they have been convicted of an offence concerning their professional conduct by a judgment which has the force of *res judicata*;
  - they have been guilty of grave professional misconduct proven by any means which the Joint Undertaking can justify;
  - they have not fulfilled obligations relating to the payment of social security contributions or the payment of taxes in accordance with the legal provisions of the country in which they are established or with those of the country of the Joint Undertaking or those of the country where the contract is to be performed;
  - they have been the subject of a judgment which has the force of *res judicata* for fraud, corruption, involvement in a criminal organization or any other illegal activity detrimental to the Union's financial interests;

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<sup>1</sup> At the negotiation stage, applicants should declare on their honour that they are not in one of these situations.

- they are currently subject to an administrative penalty imposed by the Joint Undertaking or by the Union institutions as referred to in the general Financial Regulation.
- they are subject to a conflict of interest;
- they are guilty of misrepresentation in supplying the information required by the Joint Undertaking as a condition of participation in the grant award procedure or fail to supply this information;

Third the respective national PAs check the eligibility of the participants based on the pre-defined national eligibility criteria and on the funding rules that can be found in the document ENIAC-ED-53 “National Eligibility Criteria and Funding Rules”.

If any of the eligibility criteria listed above is not met, the proposal is considered non-eligible and will be excluded from further participation in the Call procedure. In such a case the negative result of the eligibility check, dully motivated, will be communicated by the Executive Director to the coordinator of the project.

If the proposal is eligible then the FPP will be evaluated.

If there is a doubt on the eligibility of an FPP, the ENIAC JU reserves the right to proceed with the evaluation, but the results shall not be taken into consideration as long as a final decision on eligibility is pending. The fact that an FPP is evaluated under such circumstances does not constitute proof of its eligibility.

## 9 Step 5: Evaluation of your FPP

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*The Executive Director will organise the:*

1. *evaluation of the proposal*
2. *selection of the proposals for negotiation*
3. *informing you of the results*

Independent external experts appointed by the ENIAC JU Executive Director evaluate the proposals respecting the principles of transparency, fairness, impartiality and confidentiality according to the criteria listed in chapter 6.3. Four independent experts (two proposed by the ENIAC member States and two by AENEAS) evaluate first each project individually. In a panel session chaired by the Executive Director or by his/her appointed staff of the JU the evaluators synthesize and consolidate the individual evaluators' scores, remarks and recommendations for each proposal. Only projects above threshold as defined in chapter 6.3 are retained for further consideration.

The PAB draws up the final list of proposals selected for funding, based on the results of the evaluation by experts (above threshold list), on checks against the ENIAC JU and national<sup>1</sup> eligibility criteria, and taking into account the proposal's synergy with EU and national R&D and Innovation policies and activities as mentioned in the PAB decision 4-08. The PAB mandates the Executive Director to start negotiations for the selected projects and the approved budgets.

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<sup>1</sup> In the case of participants from ENIAC member States, the checks of compliance with the national eligibility criteria shall be based on the verifications carried out by the respective national funding authorities.

If your proposal has been successful, you will receive an official invitation marking the beginning of the negotiation phase. Due to budgetary or other constraints, it is possible that not all participants in a project are allocated national and/or JU funding, or that the recognized total eligible costs vary with respect to the initial request.

If the negotiation of your project is concluded successfully, you will be invited to conclude an ENIAC JU GA.

It is possible that, due to budget constraints, some proposals are placed on a reserve list. In this case, negotiations will only begin if funds become available.

The coordinators of the unsuccessful proposals will be informed about the results of the evaluation.

## **10 So now, my project is selected, what can I expect and what should I do?**

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*And now for the real work!*

- *Your consortium must conclude a Project Consortium Agreement*
- *Each participant must conclude a NGA before acceding to the JU GA*
- *Submit cost claims to collect the JU contribution to your project*
- *Consider becoming member of the industry association AENEAS*

### **10.1 PCA**

Participants in the ENIAC JU projects must jointly sign a PCA before acceding the ENIAC JU GA. The PCA should cover:

- the internal organisation of the consortium including the decision making procedures;
- rules on dissemination and use, and access rights;
- the settlement of internal disputes, including cases of abuse of power;
- liability, indemnification and confidentiality arrangements between the beneficiaries.

Example of templates and/or checklists for PCA's can be found at the ENIAC JU and CORDIS websites.

### **10.2 NGA and accession to the ENIAC JU GA**

Participants in the ENIAC JU projects must sign an NGA with their respective national PA before entering into the ENIAC JU GA. The NGA is based on the Part B (Technical Annex) document that will be prepared finalized during the negotiations.

The NGA is not required for:

- legal entities established in Member States or associated countries to the Seventh Framework Programme that are not ENIAC member States<sup>1</sup>;
- the Joint Research Center (JRC)<sup>2</sup>;
- international organisations<sup>3</sup> having a seat in EU Member States or associated countries to the Seventh Framework Programme.

### 10.3 Financial Regime

Financial support to projects is provided through a co-funding scheme. The projects will be carried by participants that will incur the running costs; they are partially compensated by public grants from the ENIAC JU and from the ENIAC member States in which the participants are located.

Public funding will be provided at a percentage of the recognized total eligible costs incurred by participants to implement the projects. The total public financial contribution to a participant shall not give rise to a profit.

The indicative maximum budget committed by the ENIAC JU to the projects approved for funding is published in the Call.

For the Call **ENIAC-2011-2** the ENIAC Joint Undertaking will provide grants in value of **16.7%** of the eligible costs incurred by any participant established in any ENIAC member State as well as in other Member States or associated country.

The financial contribution of the ENIAC member States will be a certain percentage of eligible costs incurred by a participant to implement a project, which will vary according to the type of participant and the type of R&D activity as specified by each ENIAC member State in the document ENIAC-ED-53 "National Eligibility Criteria and Funding Rules". The list of ENIAC member States and the maximum total financial contribution committed by each of them is specified in the Call announcement.

**Eligible costs<sup>4</sup> are defined** as follows:

- For participants established in ENIAC member States, the respective NFA issuing the NGA define the eligible costs.
- For participants established in EU Member States or associated countries that are not ENIAC member States, the ENIAC JU defines the eligible costs.

Funding from national PAs and ENIAC JU is conditioned by the signature of a NGA, a PCA, and accession to a JU GA that is in force (after minimum three independent participants of three different ENIAC member States signed accession forms).

To collect the awarded grants, the participants must submit cost claims to the NFA. The NFA checks them for eligibility and decides upon the costs that can be recognized.

The ENIAC JU reviews all projects, assesses the project advancement, and issues a certificate for the NFAs on a yearly basis.

Upon reception of a positive certificate resulting from the technical review executed by the ENIAC JU, the NFA enacts the payment of the national grant.

<sup>1</sup>Unless stipulated otherwise in an Administrative Agreement<sup>1</sup> that national PA of these countries that are not ENIAC member States may have signed with the ENIAC JU. Currently there are no countries in this situation.

<sup>2</sup>Unless the JRC applies in the proposal for national funding from an ENIAC member State.

<sup>3</sup>Unless the international organisation applies in the proposal for national funding from an ENIAC member State.

<sup>4</sup>VAT is not considered as an eligible cost under any circumstance.

The NFA certifies the recognized eligible costs to the ENIAC JU. Upon reception of this certificate, the ENIAC JU enacts the payment of the ENIAC JU grant.

This mechanism applies even if you do not receive any national funding (so called "zero-Euro" national grant), for instance in one of the following situations:

- your country did not commit any national funding to the Call;
- the national budget for the Call has been exhausted before your project was reached in the selection process;
- you are not eligible for national funding but eligible for ENIAC JU funding.

For participants from countries that did not become ENIAC member States, the funding rules are established by the ENIAC JU and are similar to those applying in an FP7 project.

#### **10.4 AENEAS and contribution to AENEAS**

AENEAS nominates the IRC of the ENIAC JU that elaborates the proposal for the MASP and the AWP. If you want to participate in this process you must join AENEAS.

AENEAS finances its contribution to the ENIAC JU operational costs from a contribution of its members and of other participants in the project equivalent to a percentage of the maximum eligible project costs. Non-members of AENEAS might be invited by AENEAS to voluntarily sign a Declaration of Acceptance to pay the same contribution fee to AENEAS, as AENEAS members do, in order to participate in the support of the initiative. AENEAS defines this percentage every year.

## **11 Some background on ENIAC JU and its programme**

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The ENIAC Joint Undertaking (ENIAC JU) was created in February 2008 in order to implement a Joint Technology Initiative (JTI) in nanoelectronics; the main task of this JU is the execution of a research programme to enhance the further integration and miniaturisation of devices, and to increase their functionalities.

The ENIAC JU is a public-private partnership, bringing together the European Commission and 21 European countries with AENEAS, which is an association representing the actors in the area of nanoelectronics (companies, research centres, universities).

The ENIAC JU provides financial support for R&D projects selected through open and competitive calls for proposals. The technological content of calls for proposals is described in detail in the ENIAC JU's AWP. A longer term strategy is described in the ENIAC JU's MASP, based on the VMS document. The AWP selects every year the relevant topics from the ones listed in the MASP to include in the call.

According to the MASP and AWP,

"... the mission of the European micro- and nanoelectronics industry value chain is to progress and remain at the forefront of state-of-the-art innovation in the further miniaturisation and integration of devices, while dramatically

increasing their functionalities and by these enabling solutions for societal needs. "

The strategy developed in the MASP relies on two pillars (§3):

" ... The first pillar of the strategy for the European micro- and nanoelectronics industry is therefore to build on its leading position in specific technology and application domains.

The second pillar of this strategy is for Europe to be positioned at the forefront of new emerging markets with high potential growth rates and to become a world leader in these domains. Today's emerging markets include energy efficiency and health and ageing society, as well as some specific areas within safety and security, communications and automotive.

The synergy of these two pillars will enable the European semiconductor industry to expand its leadership position in More-Moore as well as in More-than-Moore technologies, providing optimised systems solutions adapted to the demand of European original equipment manufacturer (OEM) leaders in the new emerging markets."

The MASP identifies five application areas/ subprograms:

1. Automotive and transport
2. Communications and digital lifestyle
3. Energy efficiency
4. Health and ageing society
5. Safety and security

and three technological areas/subprograms:

6. Design technologies
7. Semiconductor process and integration
8. Equipment, materials and manufacturing

Within each area a number of Grand Challenges (3 to 4) are identified. To each Grand Challenge corresponds a number of "Expected achievements/Innovation foreseen", as well a chapter on "Synergies with other domains". Finally the AWP selects a number of Grand Challenges as scope for the yearly call for proposals.

The research within the ENIAC JU programme consists in industry-driven projects in the field of nanoelectronics, which aim at generating new and improved technologies and in applying them in products, processes or services; in order to strengthen the competitiveness of European industry, improve sustainability, and facilitate the emergence of new markets and applications that respond to societal needs.

The projects should have clearly defined and sharply focused objectives and approaches. All projects should have a proper balance of application focus vs. generic technology development. The description of work and the composition of the consortium are normally fixed for the duration of the project.

The size, scope and internal organisation of projects can vary. An average project in the first two calls would be carried by 23 partners from 8 countries for a total eligible cost of 23 million€. 40% of the partners would be SME's that participate for 20% in the project budget. Some projects are much larger with budgets close to 50 million € or involving more

than 40 partners while others are smaller: 3 million € with 9 partners. The ENIAC JU promotes the involvement of SMEs in its projects. More specific guidance is given in the MASP.