Simplified NIF for GN4 Input

Overview

Project Name:	eduroam as a service	Project Proposer:	Harri Kuusisto, Juha Hopia, Tomi Salmi, Jari Miettinen - Funet

Project Type: GN4 Phase1 or longer term	GN4 Phase Y1 and Phase Y2	**Estimated Project Costs (best effort!)**	
Duration proposed	2 years April 2015 – March 2017	Manpower in person-months also identifying specific expertise required	18
Deliverables proposed (If any can be defined at this stage)	Service description for eduroam as a service	Hardware and equipment:	Y1: € 10 000 Y2: € 15 000
Milestones proposed (If any can be defined at this stage)	Q3 2015: draft service description Q4 2015: final service description Q2 2016: pilot installation deployed	Other costs	Travel and workshops: Y1: € 30 000 Y2: € 30 000

1 Background and Reasoning

Provide background information and the context of the project. Explain the reason for the project. What do you want to be different? What do you hope to improve? Why is the project needed? This should be the reason for the project, not the solution.

NRENs often has a lot of small customer organisations (other than big universities), that are not able to join eduroam. The reasons may vary, but mostly because they don't have the resources or know-how how to join. These small organisations may have their IT mostly outsourced and wireless networks are administrated by some third party. Getting eduroam as a service, this kind of small organisation would benefit a lot: It's easier to put the eduroam money into the budget than try to estimate the time and money needed to put up eduroam by organisation itself.

eduroam is well-defined, robust, secure, state of the art and de facto way to do wireless networking at academic world. Spreading eduroam coverage is beneficial for all the millions of current eduroam end users.

2 Objectives, Impact and Benefits

Provide one or more bullet points to briefly describe the primary objective(s) of the project in terms of the desired outcomes. This should be expressed in the form: 'To ensure…', 'To implement…', 'To service...', 'To improve...', 'To innovate...', 'To optimize...', 'To save...', etc. For each objective mention the benefits to identified stakeholders (e.g. end-users, NRENs, large international research projects, industrial research partners, high level education, etc.) should be mentioned. A description of the expected overall impact must also be provided.

- To productize eduroam as a service for small NREn customer organizations
- To describe eduroam as a service process in the NRENs
- To define the relationship between eduroam as a service and existing eduroam coordination in Geant
- To help small NREN customer organizations to adopt eduroam with minor manageable efforts and resources from themselves
- To help small NREN customer organizations to budget the costs for deploying eduroam as a service
- To harmonize the technical implementations of eduroam
- To save resources in NRENs with shared service development

3 Scope

Describe the areas expected to be covered or impacted by the proposed activity, such as organisational areas, systems, processes, resources.. i.e. what *is 'in scope'. This is not a list of what will be done but identifying the services, areas or what, will be affected.*

Also please enumerate specific items which although they could perhaps be related are intentionally not addressed by your proposal ("Out of Scope").

1. In Scope

- Connecting the NREN customer organisation's user administration to eduroam RADIUS-hierarcy
- Technical components of eduroam: RADIUS-server, WLAN controller, access points
- The deployment of eduroam helpdesk service in NREN for customer organisations
- The service description of eduroam as a service

2. Out of Scope

- Tariff models of the eduroam as a service

4 General Information

Outline any potential issues, risks, dependencies, assumptions, constraints and limitations or any other points that may be useful to help assess the proposal.

- The project group for this task is planned to include from 4 to 6 NRENs from all around the Europe
- Possible co-operation partnerships with TERENA task forces (TF-MNM etc.) and other Geant working groups at mobile and best practises areas
- Potential Risk: The user administration in NREN customer organisation is unsuitable for connecting
- The need of first year Kick-Off meeting and international workshops
- The dissemination of the results at NORDUnet networking conference and TERENA networking conference