

# Potential New Charter Unscrambling

## IETF 104 Prague

ANIMA chairs

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# Recharter Efforts

- Did start to write up proposed charter around IETF 102 and started to circulate on WG list
- One round of feedback received from AD (Ignas) worked into rev 2.0.1 before IETF103
  - State changed to Informal IESG review from Approved, Nov. 4, 2018 (official 01-02 version in the ANIMA WG datatracker)
  - was found to be too lengthy and detailed, but is shown as background to the proposed shortened charter
- Since IETF103, 4 rounds of refine has been made, including 2 rounds of AD feedback
  - Update version has been uploaded in the ANIMA WG datatracker, Feb. 03, 2019 (official 01-03 version)
  - The latest version 2.0.5 has categorized the work items into 5 classes, Mar. 18, 2019
- <https://trac.ietf.org/trac/anima/wiki/Recharter2019>

## Proposed 2nd Charter for ANIMA Working Group

- The Autonomic Networking Integrated Model and Approach (ANIMA) working group develops and maintains specifications and documentation for interoperable protocols and procedures for automated network management and control of networks that are developed, built and operated by professionals.
- The vision is a network that configures, heals, optimizes and protects itself. The strategy is the incremental introduction of components to smoothly evolve existing and new networks accordingly.
- ANIMA work will rely on the framework described in [draft-ietf-anima-reference-model](#). Work not related to this framework is welcome for review, but WG adoption of such work requires explicit rechartering. The three areas of the framework are (1) the Autonomic Networking Infrastructure (ANI), (2) Autonomic Functions (AF) built from software modules called Autonomic Service Agents (ASA) and (3) Intent.

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- The ANI is specified through prior ANIMA work. It is composed of the Autonomic Control Plane (ACP), Bootstrap over Secure Key Infrastructures (BRSKI) including Vouchers, and the Generic Autonomic Signaling Protocol (GRASP). ANIMA will work on closing gaps and extended ANI and its components.
- ANIMA will start to define AFs to enable service automation in networks; it will also work on generic aspects of ASA including design guidelines and lifecycle management including coordination and dependency management.
- ANIMA will not work on Intent or machine learning and other AI techniques without explicit rechartering.
- ANIMA will coordinate with other IETF and IRTF groups. It will rely on NMRG to define the next steps for Intent.
- Acceptance of work items by the WG will be scheduled/throttled so that contributors can target them to enter WG last call after not more than 4 IETF meeting cycles.

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Proposed work items include but are not limited to:

- Works extending ANI, including variation of ANI deployment (e.g. in virtualization or compounding environment), information and signaling distribution within an AN, ANI OAMP interfaces (Operations, Administration, Management, Provisioning), e.g. YANG models, interaction with YANG-based mechanisms, defining the domain boundary and membership management of the domain, and etc.
- Works regarding to generic Autonomic Service Agents, including design and implementer guidelines for ASAs, life cycle management, authorization and coordination of ASA, and etc.
- BRSKI relevant works, including proxies, enrollment, adaptations over various network protocols, variations of voucher formats, and etc.
- Generic use cases of Autonomic Network and new GRASP extensions/options for them, including but not limited to bulk transfer, DNS-SD interworking, autonomic resource management, autonomic SLA assurance, autonomic multi-tenant management, autonomic network measurement, and etc.
- Integration with Network Operations Centers (NOCs), including autonomic discovery/connectivity to NOC, YANG-based ANI/ASA management by the NOC and reporting and reporting AF from node to NOC.