



# YANG Data Model for Monitoring I2NSF Network Security Functions

draft-hong-i2nsf-nsf-monitoring-data-model-05

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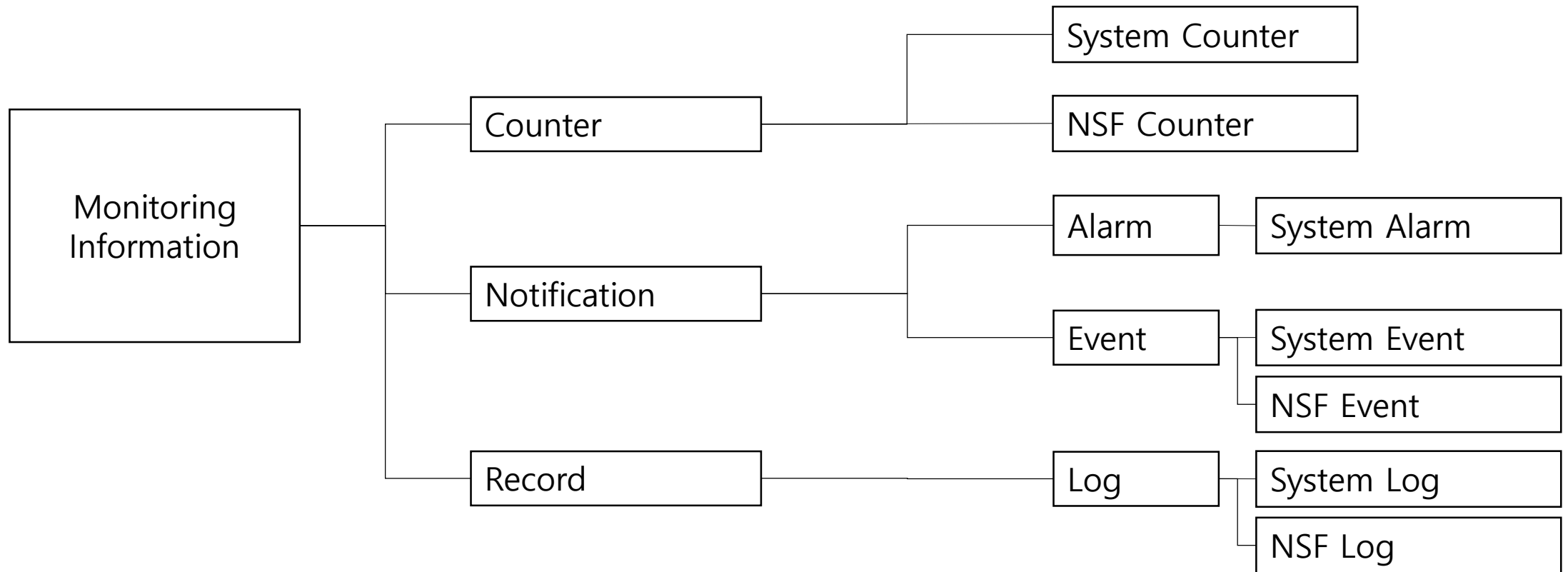
Dongjin Hong, Jaehoon Paul Jeong, Jinyong Kim, Susan Hares, Liang Xia  
(Frank), and Henk Birkholz

# Updates from the Previous Version

- The Previous Draft:
  - draft-hong-i2nsf-nsf-monitoring-data-model-04
- Changes from the previous versions
  - The association with the three main interfaces of the I2NSF framework is described in Section 4.
  - Typos are corrected.

# Overview

- The latest Information Model (draft-zhang-i2nsf-info-model-monitoring-07) is organized as follows:



# NSF Monitoring Management

- **Policy Monitoring**

- **I2NSF Consumer-Facing Interface:** The NSF monitoring data model can specify a list of threat-feed that can be used as an **event** to be monitored by an NSF.
- **I2NSF NSF-Facing Interface:** The NSF monitoring data model specifies a list of event that can trigger the ECA (Event-Condition-Action) policy at NSF-Facing Interface.

- **NSF Resource Monitoring**

- **I2NSF Registration Interface:** I2NSF framework needs to manage an NSF (as a VNF)'s **lifecycle** by DMS. The NSF monitoring can give **resource usage states** to DMS for load balancing and lifecycle management.

# Next Steps

- We will change the current YANG data model to the YANG data model of Object-Oriented Style, such as **Decorator patterns**.
- After the proofreading by the authors of the NSF Capabilities Information Model document, we will correct the data model and finalize it.
- We will discuss how to merge the information model draft and data model draft on NSF monitoring.