Part 0: Overview and vocabulary

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1. Foreword

FitSM is a lightweight standards family aimed at facilitating service management in IT service provision, including federated scenarios. The main goal of the FitSM family is to maintain a clear, pragmatic, lightweight and achievable standard that allows for effective IT service management (ITSM).

FitSM is and will remain free for everybody. This covers all parts of the standard, including the core parts and implementation aids. All parts of the FitSM standard and related material published by the FitSM working group are licensed under a Creative Commons International License.

The development of FitSM was supported by the European Commission as part of the Seventh Framework Programme. FitSM is owned and maintained by ITEMO e.V., a non-profit partnership of specialists in the field of IT management, including experts from industry and science.

FitSM is designed to be compatible with the International Standard ISO/IEC 20000-1 (requirements for a service management system) and the IT Infrastructure Library (ITIL). Although the FitSM process model, requirements, recommended activities and role model target a lightweight implementation, it can act as a first step to introducing “full” ITSM, i.e. applying ITIL good practices and / or achieving compliance against ISO/IEC 20000-1. The FitSM family is made up of several documents, providing guidance and input on different aspects of ITSM in federated ICT infrastructures:

- FitSM-0: Overview and vocabulary (this document)
- FitSM-1: Requirements
- FitSM-2: Objectives and activities
- FitSM-3: Role model
- FitSM-4: Selected templates and samples (set of documents under continual development)
- FitSM-5: Selected implementation guides (set of documents under continual development)
- FitSM-6: Maturity and capability assessment scheme

All documents are available and published in their most recent version through the website www.fitsm.eu. Enquiries about the standard and its applicability should be directed by e-mail to info@fitsm.eu.

2. Introduction

This part of FitSM provides an overview of the FitSM family and a common vocabulary used by the other parts of the standard (in particular by FitSM-1). It helps to harmonise and facilitate discussion by those trying to implement IT Service Management using FitSM or any other compatible ITSM approach.
3. Scope and applicability
This part of the standard provides:

- a general overview of the FitSM family of standards;
- terms and definitions for use in the FitSM family of standards;
- an overview of the FitSM process model.

This standard is applicable to all types of organisation (e.g. commercial enterprises, government agencies, non-profit organizations) from which IT services are provided, regardless of type, size and the nature of the services delivered. It is especially suitable for groups new to service management, or for federated scenarios.

4. Overview of the FitSM family of standards
The FitSM family is made up of several documents, providing guidance and input on different aspects of ITSM. The following figure shows their relationships.

![Diagram of FitSM family of standards]

5. Terms and definitions
For the purpose of the FitSM family of standards, the following terms and definitions apply.

5.1 Accessibility of information
Property of information being accessible and usable by an authorized party

5.2 Activity
Set of actions carried out within a process

5.3 Assessment
Set of actions to evaluate the capability level of a process or the overall maturity level of a management system
5.4 Audit
Systematic, independent and documented process for obtaining audit evidence and evaluating it objectively to determine the extent to which the audit criteria are fulfilled

Note 1: Audit evidence is typically based on documented information, information provided during an audit interview, and information gathered through observation.

Note 2: Audit criteria may be based on requirements from a management system (including policies, processes and procedures), agreements (including service level agreements and underpinning agreements), contracts, standards or legislation.

Note 3: An audit may be an internal audit, if it is conducted under the direct responsibility of the organisation or federation that is subject to the audit, or an external audit, if it is conducted by an external party.

Note 4: Both internal and external audits should be conducted by skilled and experienced auditors, and auditors should not audit their own work or areas of responsibilities to ensure the impartiality of the results.

5.5 Availability
Ability of a service or service component to fulfil its intended function at a specific time or over a specific period of time

5.6 Capability level
Achieved level of effectiveness of an individual process or general aspect of management

5.7 Capacity
Maximum extent to which a certain element of the infrastructure (such as a configuration item) can be used

Note: This might mean the total disk capacity or network bandwidth. It could also be the maximum transaction throughput of a system.

5.8 Change
Alteration (such as addition, removal, modification, replacement) of a configuration item (CI)

5.9 Classification
Assignment of items to defined groups based on common attributes, relations or other criteria

Note 1: Items that are subject to classification may include documents, records (such as incident records or change records), services, configuration items (CIs), etc. Defined groups may include categories (such as incident categories or change categories) or priority levels.

Note 2: The act of classification often comprises the application of more than one classification scheme. For instance, an incident record might be assigned to a technical incident category such as ‘software related’, ‘network related’, etc., and also to a priority level like ‘low priority’, ‘medium priority’, etc. The assignment of various incidents, service requests, changes and problems to an affected CI is also a classification.
Note 3: Besides the presentation and analysis of relationships, classification is often used as input for controlling the workflow of a process, e.g. by assigning a priority level to an incident.

5.10 Closure
Final activity in a workflow of a process to indicate no further action is required for a specific case

Note: Cases that are subject to closure may include incidents, problems, service requests or changes. The activity of closure puts the connected record (such as the incident record, problem record, service request record or change record) in its final status, usually called ‘closed’.

5.11 Competence
Sum of knowledge, skills and experience that an individual or group needs to effectively take on a specific role

5.12 Confidentiality of information
Property of information not being accessible to unauthorized parties

5.13 Conformity
Extent to which requirements are met in some context

Note: In the context of FitSM, the term compliance is generally used as a synonym for conformity. However, sometimes conformity is used in the context of adherence to internal regulations and requirements as defined by policies, processes and procedures, while compliance is used in the context of adherence to external requirements, such as laws, standards and contracts.

5.14 Configuration
State of a specified set of attributes, relationships and other relevant properties of one or more configuration items (CIs)

Note: The documented configuration of a number of CIs at a given point in time is called a configuration baseline, which is usually taken prior to the deployment of one or more changes to these CIs in the live environment.

5.15 Configuration item (CI)
Element that contributes to the delivery of one or more services or service components, therefore requiring control of its configuration

Note 1: CIs can vary widely, from technical components (e.g. computer hardware, network components, software) to non-technical items such as documents (e.g. service level agreements, manuals, license documentation).

Note 2: The data necessary for effective control of a CI is stored in a CI record. In addition to attributes of the CI, the CI record likely includes information on relationships it has with other CIs, service components and services. CI records are stored in a configuration management database (CMDB).

5.16 Configuration management database (CMDB)
Store for data about configuration items (CIs)
Note: A CMDB is not necessarily a single database covering all configuration items (CIs). It may rather be composed of multiple physical data stores.

5.17 Continuity
Property of a service to maintain all or parts of its functionality, even in exceptional circumstances
Note: Exceptional circumstances include emergencies, crises or disasters which affect the ability to provide services over extended periods of time.

5.18 Customer
Organisation or part of an organisation that commissions a service provider in order to receive one or more services
Note: A customer usually represents a number of users.

5.19 Document
Information and its supporting medium
Note: Examples of documents include policies, plans, process descriptions, procedures, service level agreements, contracts or records of activities performed.

5.20 Effectiveness
Extent to which goals and expectations are met
Note: In a management system, effectiveness is mostly measured against the defined goals of the processes that are subject to this system.

5.21 Efficiency
Degree of ability to meet goals and expectations with minimum consumption of resources
Note 1: In a management system, efficiency is mostly considered in the context of the processes that are subject to this system.
Note 2: Resources may be human, technical, informational or financial.

5.22 Escalation
Change of responsibility for a case (such as an incident, service request, problem or change) or activity to another individual or group
Note: There are two basic types of escalation: Hierarchical escalation transfers responsibility (temporarily) to someone with a higher level of authority. Functional escalation transfers responsibility to someone with a different set of competencies or privileges required to handle the case or activity.

5.23 Federation
Situation in which multiple parties, the federation members, jointly contribute to the delivery of services to customers without being organised in a strict hierarchical setup or supply chain.
5.24 Federation member
Individual, organisation or body that works together with other federation members in a federation to provide one or more services

Note: Often, federation members will not be bound together by strict contractual agreements.

5.25 Federator
Body that acts to coordinate a set of federation members

5.26 Improvement
Action or set of actions carried out to increase the level of conformity, effectiveness or efficiency of a management system, process or activity, or to increase the quality or performance of a service or service component

Note: An improvement is usually implemented after an opportunity for improvement has been identified, for instance during a service review, audit or management review.

5.27 Incident
Unplanned disruption of operation in a service or service component, or degradation of service quality versus the expected or agreed service level or operational level according to service level agreements (SLAs), operational level agreements (OLAs) and underpinning agreements (UAs).

5.28 Information security
Preservation of confidentiality, integrity and accessibility of information

5.29 Information security control
Means of controlling or treating one or more risks to information security

5.30 Information security event
Occurrence or previously unknown situation indicating a possible breach of information security

Note: An occurrence or situation is considered a potential breach of information security if it may lead to a negative impact on the confidentiality, integrity and / or accessibility of one or more information assets.

5.31 Information security incident
Single information security event or a series of information security events with a significant probability of having a negative impact on the delivery of services to customers, and therefore on the customers’ business operations

5.32 Integrity of information
Property of information not being subject to unauthorized modification, duplication or deletion

5.33 IT service
Service that is enabled by the use of information technology (IT)
5.34 IT service management (ITSM)
Entirety of activities performed by an IT service provider to plan, deliver, operate and control IT services offered to customers

Note: The activities carried out in the ITSM context should be directed by policies and structured and organised by processes and supporting procedures.

5.35 Key performance indicator (KPI)
Metric that is used to track the performance, effectiveness or efficiency of a service or process

Note: KPIs are generally important metrics that will be aligned to critical success factors and important goals. KPIs are therefore a subset of all possible metrics, intended to allow for monitoring a service or process.

5.36 Known error
Problem which has not (yet) been corrected, but for which there is a documented workaround or temporary fix to prevent (excessive) negative impact on services

5.37 Management review
Periodic evaluation of the suitability, maturity and efficiency of the entire management system by its accountable owner(s), from which opportunities for improvement are identified and follow-up actions are determined

Note: The accountable owner of a management system is usually a top management representative of the organisation operating the management system. In a federation, the accountable owner is usually one person nominated by top management representatives of all organisations (i.e. federation members) involved.

5.38 Management system
Entirety of policies, processes, procedures and related resources and capabilities aiming at effectively performing management tasks in a given context and for a given subject

Note 1: A management system is generally intangible. It is based on the idea of a systematic, structured and process-oriented way of managing.

Note 2: While documentation (such as process definitions, procedures and records) and tools (such as workflow support and monitoring tools) can be parts of a management system, management system considerations are not limited to the questions of documentation and tool support.

Note 3: With respect to (IT) service management and the FitSM standard series, the idea of a service management system (SMS) is a central concept, where the context of the management system is the organisational context of the service provider, and the subject is to plan, deliver, operate and control (IT) services.

5.39 Maturity level
Achieved overall effectiveness of a service management system, based on the combination of the capability levels of its processes and general aspects of management
5.40 Nonconformity
Case or situation where a requirement is not fulfilled
Note: This may also be referred to as noncompliance.

5.41 Operational level agreement (OLA)
Documented agreement between a service provider and another part of the service provider’s organisation or a federation member to provide a service component or subsidiary service needed to allow provision of services to customers

5.42 Operational target
Reference / target value for a parameter used to measure the performance of a service component, listed in an operational level agreement (OLA) or underpinning agreement (UA) related to this service component
Note: Typical operational targets might include availability or allowed resolution times for incidents.

5.43 Policy
Documented set of intentions, expectations, goals, rules and requirements, often formally expressed by top management representatives in an organisation or federation
Note: Policies are then realised in processes, which are in turn made up of activities that people carry out according to defined procedures.

5.44 Post implementation review (PIR)
Review after the implementation of a change that determines if the change was successful
Note: Depending on the specific type and complexity of the change, the post implementation review may vary widely in its depth.

5.45 Priority
Relative importance of a target, object or activity
Note: Often incidents, service requests, problems and changes are given a priority. In the case of incidents and problems, priority is usually based on the specific impact and urgency of the situation.

5.46 Problem
Underlying cause of one or more incidents that requires further investigation to prevent incidents from recurring or reduce the negative impact on services

5.47 Procedure
Specified set of steps or instructions to be carried out by an individual or group to perform one or more activities of a process

5.48 Process
Structured set of activities, with clearly defined responsibilities, that bring about a specific objective or set of results from a set of defined inputs
Part 0: Overview and vocabulary

Note: Generally, a process consists of a number of activities used to manage services, if the process is part of a service management system (SMS).

5.49 Record
Documentation of an event or of the results of performing a process or activity

5.50 Release
Set of one or more changes to configuration items (CIs) that are grouped together and deployed as a logical unit

5.51 Request for change (RFC)
Documented proposal for a change to be made to one or more configuration items (CIs)

5.52 Risk
Possible negative occurrence that would have a negative impact on the service provider’s ability to deliver agreed services to customers, or that would decrease the value generated through some service

Note: Risk is made up of the probability of the threat entailed, the vulnerability to that threat of some asset, and the impact the threat would have, if it occurred.

5.53 Role
Set of responsibilities and connected behaviours or actions collected into a logical unit that can be assigned to an individual or group

Note: An individual may take over multiple roles.

5.54 Service
Way to provide value to customers through bringing about results that they want to achieve

Note: In the context of the FitSM standard series, when referring to services, usually IT services are meant.

5.55 Service acceptance criteria (SAC)
Criteria that must be fulfilled by the time a new or changed service is deployed and made available to customers / users

Note: SAC are defined when a new or changed service is designed, and they may be updated or refined during the development or transition phase. They may cover functional and non-functional aspects of the specific service to be deployed. SAC are part of the service design and transition package (SDTP).

5.56 Service catalogue
Customer-facing list of all live services offered along with relevant information about these services

Note: The service catalogue can be regarded as a filtered version of and customers’ view on the service portfolio.
5.57 Service component
Logical part of a service that provides a function enabling or enhancing a service

Note 1: A service is usually composed of several service components.

Note 2: A service component is usually built from one or more configuration items (CIs).

Note 3: Although a service component underlies one or more services, it usually does not create value for a customer alone and is therefore not a service by itself.

5.58 Service design and transition package (SDTP)
Entirety of plans for the design and transition of a specific new or changed service

Note: An SDTP should be produced for every new or changed service. It may consist of a number of documented plans and other relevant information, available in different formats, including a list of requirements and service acceptance criteria (SAC), a project plan, communication and training plans, technical plans and specifications, resource plans, development and deployment schedules/timetables, etc.

5.59 Service level agreement (SLA)
Documented agreement between a customer and service provider that specifies the service to be provided and the service targets that define how it will be provided.

5.60 Service management
Entirety of activities performed by a service provider to plan, deliver, operate and control services offered to customers

Note 1: The activities carried out in the service management context should be directed by policies and structured and organised by processes and supporting procedures.

Note 2: In the context of the FitSM standard series, when referring to service management, usually IT service management is meant.

5.61 Service management plan
Overall plan for implementing and operating a service management system (SMS)

5.62 Service management system (SMS)
Overall management system that controls and supports management of services within an organisation or federation

Note: The SMS can be regarded as the entirety of interconnected policies, processes, procedures, roles, agreements, plans, related resources and other elements needed and used by a service provider to effectively manage the delivery of services to customers.

5.63 Service portfolio
Internal list that details all the services offered by a service provider, including those in preparation, live and discontinued.
Note: For each service, the service portfolio may include information such as its value proposition, target customer base, service description, relevant technical specifications, cost and price, risks to the service provider, service level packages offered, etc.

5.64 Service provider
Organisation or federation (or part of an organisation or federation) that manages and delivers a service or services to customers

5.65 Service report
Report that details the performance of a service versus the service targets defined in service level agreements (SLAs) – often based on key performance indicators (KPIs).

5.66 Service request
User request for information, advice, access to a service or a pre-approved change
Note: Service requests are often handled by the same process and tools as incidents.

5.67 Service review
Periodic evaluation of the quality and performance of a service together with the customer or under consideration of customer feedback, from which opportunities for improvement are identified, follow-up actions to increase the value of the service are determined

5.68 Service target
Reference / target values for a parameter used to measure the performance of a service, listed in a service level agreement (SLA) related to this service
Note: Typical service targets might include availability or resolution time for incidents.

5.69 Supplier
External organisation that provides a (supporting) service or service component(s) to the service provider, which they need to provide services to their customers / users

5.70 Top management
Senior management within an organisation who has authority to set policies and exercise overall control of the organisation

5.71 Underpinning agreement (UA)
Documented agreement between a service provider and an external supplier that specifies the underpinning service(s) or service component(s) to be provided by the supplier, together with the related service targets
Note 1: A UA can be seen as a service level agreement (SLA) with an external supplier where the service provider is in the customer role.
Note 2: A UA may also be referred to as an underpinning contract (UC).
5.72 Underpinning contract (UC)
See: Underpinning agreement (UA)

5.73 User
Individual that primarily benefits from and uses a service

5.74 Value
Benefit to a customer and their users delivered by a service

Note: Value should be considered as a composition of the utility (fitness for purpose) and warranty (fitness for use, covering sufficient availability / continuity, capacity / performance and information security) connected to a service.

5.75 Workaround
Means of circumventing or mitigating the symptoms of a known error that helps to resolve incidents caused by this known error, while the underlying root cause is not permanently eliminated

Note 1: Workarounds are often applied in a situation, when the actual root cause of (recurring) incidents cannot be resolved due to lack of resources or ability.

Note 2: A workaround may consist of a set of actions to be carried out by either the provider or the user of the service.

Note 3: A workaround is also referred to as a temporary fix or temporary solution.
### 6. Overview of the FitSM process model

All parts of FitSM are based on an understanding of the following 14 core processes for IT service management (ITSM).

<table>
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<tr>
<th>Process</th>
<th>Objective</th>
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<tr>
<td>Service portfolio management (SPM)</td>
<td>To define and maintain a service portfolio</td>
</tr>
<tr>
<td>Service level management (SLM)</td>
<td>To maintain a service catalogue, and to define, agree and monitor service levels with customers by establishing meaningful service level agreements (SLAs) and supportive operational level agreements (OLAs) and underpinning agreements (UAs) with suppliers</td>
</tr>
<tr>
<td>Service reporting management (SRM)</td>
<td>To specify all service reports and ensure they are produced according to specifications in a timely manner to support decision-making</td>
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<tr>
<td>Service availability and continuity management (SACM)</td>
<td>To ensure sufficient service availability to meet agreed requirements and adequate service continuity</td>
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<tr>
<td>Capacity management (CAPM)</td>
<td>To ensure sufficient capacities are provided to meet agreed service capacity and performance requirements</td>
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<td>Information security management (ISM)</td>
<td>To manage information security effectively through all activities performed to deliver and manage services, so that the confidentiality, integrity and accessibility of relevant information are preserved</td>
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<tr>
<td>Customer relationship management (CRM)</td>
<td>To establish and maintain a good relationship with customers receiving services</td>
</tr>
<tr>
<td>Supplier relationship management (SUPPM)</td>
<td>To establish and maintain a healthy relationship with suppliers supporting the service provider in delivering services to customers, and monitor their performance</td>
</tr>
<tr>
<td>Incident and service request management (ISRM)</td>
<td>To restore normal / agreed service operation within the agreed time after the occurrence of an incident, and to respond to user service requests</td>
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<tr>
<td>Problem management (PM)</td>
<td>To investigate the root causes of (recurring) incidents in order to avoid future recurrence of incidents by resolving the underlying cause, or to ensure workarounds / temporary fixes are available</td>
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<tr>
<td>Configuration management (CONFM)</td>
<td>To provide and maintain a logical model of all configuration items (CIs) and their relationships and dependencies</td>
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<td>Change management (CHM)</td>
<td>To ensure changes to CIs are planned, approved, implemented and reviewed in a controlled manner to avoid adverse impact of changes to services or the customers receiving services</td>
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<td>Release and deployment management (RDM)</td>
<td>To bundle changes of one or more CIs to releases, so that these changes can be tested and deployed to the live environment together</td>
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<tr>
<td>Continual service improvement management (CSI)</td>
<td>To identify, prioritize, plan, implement and review improvements to services and service management</td>
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For each of these processes, as well as for a number of general aspects in the context of ITSM, FitSM-1 defines a small number of implementation requirements, while FitSM-2 provides guidelines on the activities to set up and implement ITSM using these processes. FitSM-3 describes the proposed roles to be assigned to execute the ITSM processes as part of a service management system.

The following figure shows a possible grouping of the FitSM processes, based on six main topic areas.