

Security implementation SURFnet

WIKI FOR SURFNET EMPLOYEES TO IMPLEMENT SECURITY



Sandy Janssen (SURFnet – Netherlands)
TLP Amber



Wiki with 11 themes

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Security at SURF Home - S... x

https://wiki.surfnet.nl/display/SAS/Security+at+SURF+Home

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Security at SURF
Security at SURF Home

Created by Femke Morsch, last modified by Alf Moens on Thu 05 Jan 2017

In deze wiki kun je alle relevante materialen vinden over informatiebeveiliging binnen de eigen organisatie. Kijk gerust een beetje rond en als je niet kan vinden wat je zoekt neem dan contact op met een van de security officers. Die helpen je graag verder. Informatiebeveiliging is bij SURF een...
...sten en diensten als binnen de eigen organisatie. Om je op weg te helpen in het nieuwe jaar hier een lijstje

1. General
2. Assets
3. Management and operation
4. Continuity
5. Cryptography
6. Employment
7. Information security incidents
8. Suppliers
9. Employees
10. Development systems and software
11. Access (physical and logical)

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To develop: Security Agenda

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Security agenda - Security ...

https://wiki.surfnet.nl/display/SAS/Security+agenda

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Security at SURF / ... / Algemeen

Security agenda

Created by David van Es on Mon 04 Jul 2016

Beleid, policies, richtlijnen en handreikingen voor informatiebeveiliging bij SURF

Security management SURF

- Algemeen
 - Rollen en verantwoordelijkheden van een dienst
 - Security agenda**
 - Bedrijfsmiddelen
 - Beheer en exploitatie
 - Continuïteit
- Toegangsbeveiliging
- Besloten
- File Lists
- How-to articles
- Laptop of telefoon kwijt?

die de dienst zelf moet initiëren. De andere acties worden standaard ingepland.

In Red: actions to be initiated by the services

Currently defined in

- Regular
- Monthly
- Yearly

In Black: actions to be initiated on SURFnet level

Regelmatig

 - Melden informatiebeveiligingsincidenten
 - Beoordelen autorisatie van toegang tot informatie en bedrijfsmiddelen

Maandelijks

 - Rapportage evaluatie informatiebeveiligingsincidenten.

Jaarlijks

 - Awarenesstraining
 - Dienstenkwaliteitscheck
 - Interne audit - technisch
 - Interne audit - organisatorisch
 - Externe audit - technisch
 - Externe audit - organisatorisch
 - Updaten documentatie informatiebeveiliging dienst
 - Inventarisatie bedrijfsmiddelen
 - Beoordelen classificatie van belangrijke bedrijfsmiddelen

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Implementation: per service

The screenshot shows a Firefox browser window displaying a page titled "Voortgang per thema 2017" on the SURFconext Infrastructure Home. The page features a table with columns for "Algemeen", "Wat wordt er van de dienst verwacht?", "Status", "Risico", and "Beschrijving".

Annotations on the page include:

- Implementation per theme:** A callout box pointing to the "Algemeen" column header.
- Status per Color:** A callout box pointing to the "Status" column, listing:
 - Fully (green)
 - No (red)
 - Questions (Blue)
 - Not necessary (grey)
- Description, Comments on the implementing process:** A callout box pointing to the "Beschrijving" column.

The table content includes a row with a green "VOLLEDIG" status and a detailed description of information security policy implementation. The footer of the page mentions "Powered by Atlassian Confluence 5.10.8" and "Copyright SURFnet 2013-2015".

Implementation: linked to risks from the risk analyses

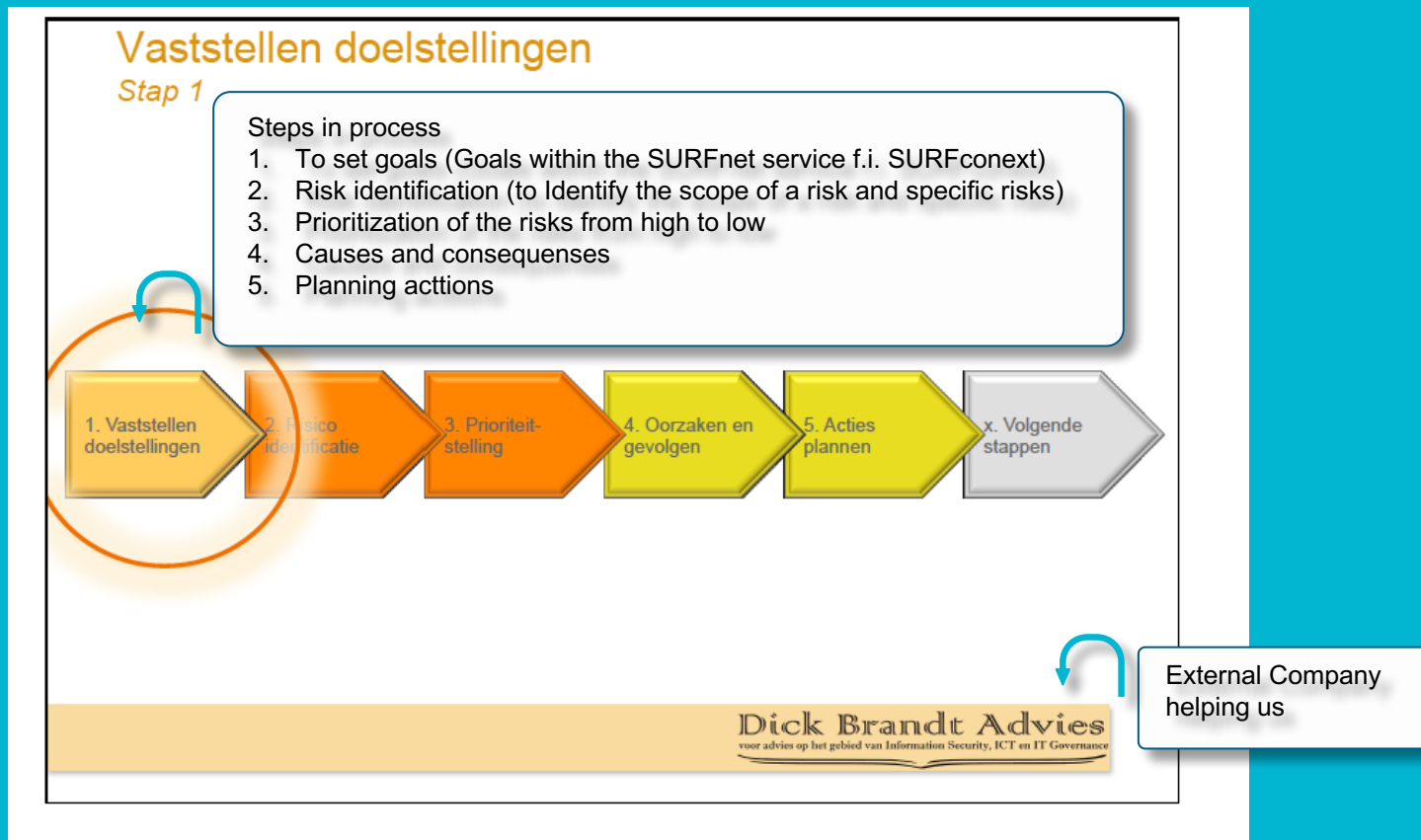
The screenshot shows a web browser displaying a Confluence page. The page title is 'Voortgang per thema 2017'. The page content includes a table with the following columns: 'Wat wordt er van de dienst verwacht?', 'Status', 'Risico', and 'Beschrijving'. The first row of the table has a green 'VOLL' status tag in the 'Status' column. A callout box with a blue arrow points to the 'Risico' column header, containing the text: 'Implementation per theme based on the risks from risk analyses'. The left sidebar shows a navigation menu with 'SURFconext Infrastructure Home' and 'Audits & risico-analyses'.

Wat wordt er van de dienst verwacht?	Status	Risico	Beschrijving
<i>Indien de dienst informatiebeveiligingsbeleid (-protocollen of -processen) heeft, naast het bestaande SURFnet-brede beleid; het aanvullende beleid van de dienst is bekend maken bij teamleden en externen</i>	VOLL		
Een indeling van classificatie van alle gegevens die de dienst heeft.			
Teamleden op de hoogte stellen van de classificatie van informatie binnen de dienst.			
Controleren of de dienst voldoet aan wetgeving, eventueel in overleg met de juridisch adviseur			

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Process of the Risk analyses

- Based on risk analyse method



Identifying risks and prioritization risks

1.

The team members of the service may, in turn, name a risk which threatens the service. This does not take into account which risk is a greater threat than the other. This is done until everyone named their known risks.

This will create a list that sometimes consists of 30 different risks.

2.

The 'standard' risks of ISO 27 003

Can be included in the list of risks

3.

The team members of the service vote for the risks based on

IMPACT

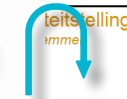


Impact



And

CHANCE



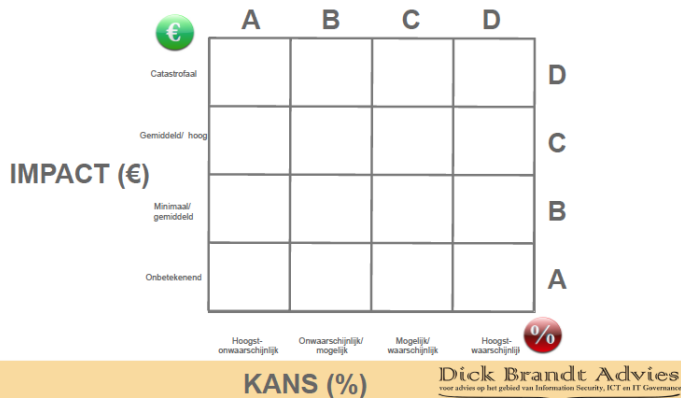
Waarschijnlijkheid



This results in a ranking of Risks

Based on Impact vs. Chance

Impact (€) vs. Kans (%)



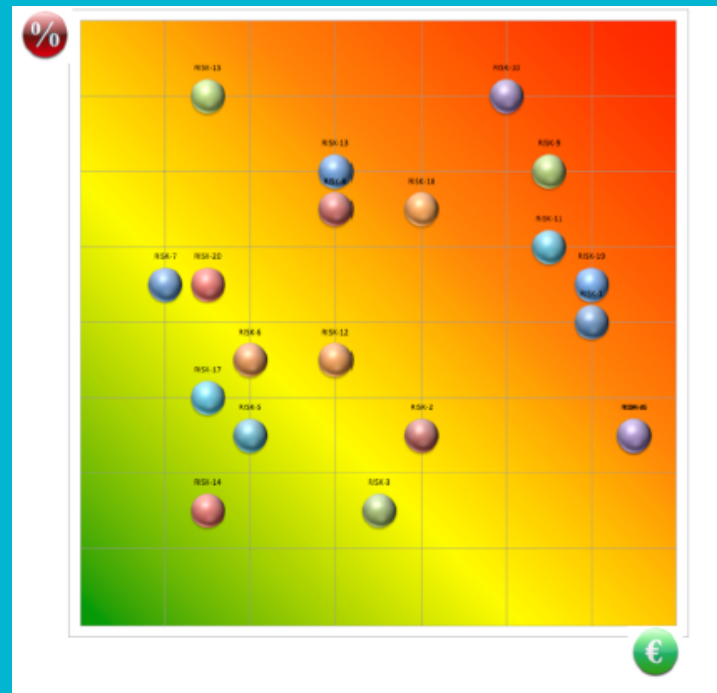
This results in a top 10 of Risks
(The numbers of the risks are the risks from the total list)

Risico	IMPACT	KANS	RANKING	Risico	IMPACT	KANS	RANKING
RISK-10	20	21	1,000	RISK-8	16	18	0,690
RISK-9	21	19	0,954	RISK-2	18	12	0,556
RISK-19	22	16	0,880	RISK-12	16	14	0,537
RISK-11	21	17	0,868	RISK-20	13	16	0,505
RISK-1	22	15	0,843	RISK-6	14	14	0,466
RISK-4	23	12	0,800	RISK-3	17	10	0,463
RISK-16	23	12	0,800	RISK-7	11	16	0,448
RISK-18	18	18	0,771	RISK-5	14	12	0,404
RISK-13	16	19	0,734	RISK-17	13	13	0,402
RISK-15	13	21	0,725	RISK-14	13	10	0,320

Dick Brandt Advies
voor advies op het gebied van Information Security, ICT en IT Governance

Heatmap of the top 10 risks

Base for the plans to mitigate these risks as mentioned above



Coable

- A security management tool capable of registering and monitoring risks and compliance for multiple control frameworks.
- We are using it for security as well as for compliance with our privacy framework."
- **Can do a demo at next opportunity/meeting**