Ref. Ares(2025)4893877 - 19/06/2025

Co-funded by the European Union

SIEMBIOT Project Plan

Customer: Internal

Ref: expw-2023-207

The following document contains the project plan agreed for the implementation of SIEMBIOT project number:

Release Certificate	
Status of this Document:	**Final**
Document Version:	**1.1**
Release Date:	**28 Oct 2023**

Document Control

Title:	SIEMBIOT Project Plan
Customer:	**Internal**
Owner:	**Expertware SRL,** Bd. 1 Decembrie 1918 nr.8, Suceava, Romania VAT: RO19130788
Release Date:	[28/10/2023]
Author:	Andreea Galbau
Total Pages:	24
Security Class:	Commercially Confidential
Distribution:	Customer only
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Document Approval

Approved By:	Lelcu Ion Didel	Approved by e-mail

Revision History

Version	Date	Issued By	Status	Comments
0.1	10 Sept 2023	Tiberiu Baraboi	Draft	initial submitted for approval
0.2	24 Sept 2023	Andreea Galbau	Draft	Project governance
0.3	14 Oct 2023	Andreea Galbau	Draft	Added project monitoring
0.4	20 Oct 2023	Lelcu Ion Didel	Draft	Added activities & timeline
1.0	24 Oct 2023	Lelcu Ion Didel	Final	Added team allocation
1.1	28 Oct 2023	Andreea Galbau	Final	Updated reference number
1.2	18 June 2025	@SIEMBIOT Project Management	Revision request update	New chapter (4)to include details describing the roles of the participants in the project (rather than their home organization), e.g. the team delivering the SOCaaS services to customers

Table of Contents

1 Background 4
2 Project governance 5
2.1 Background 5
2.2 Project board 5
2.3 Project Core Team 6
2.4 Project Lifecycle 9
2.5 Project follow-up meetings 11
3 Planning baseline 14
3.1 Activities & dependencies 14
3.2 Project timeline according to baseline 23
3.3 Teams and resource allocations 24
4 Revised After review - Updated Functional Roles for Resubmitted Project Plan 25

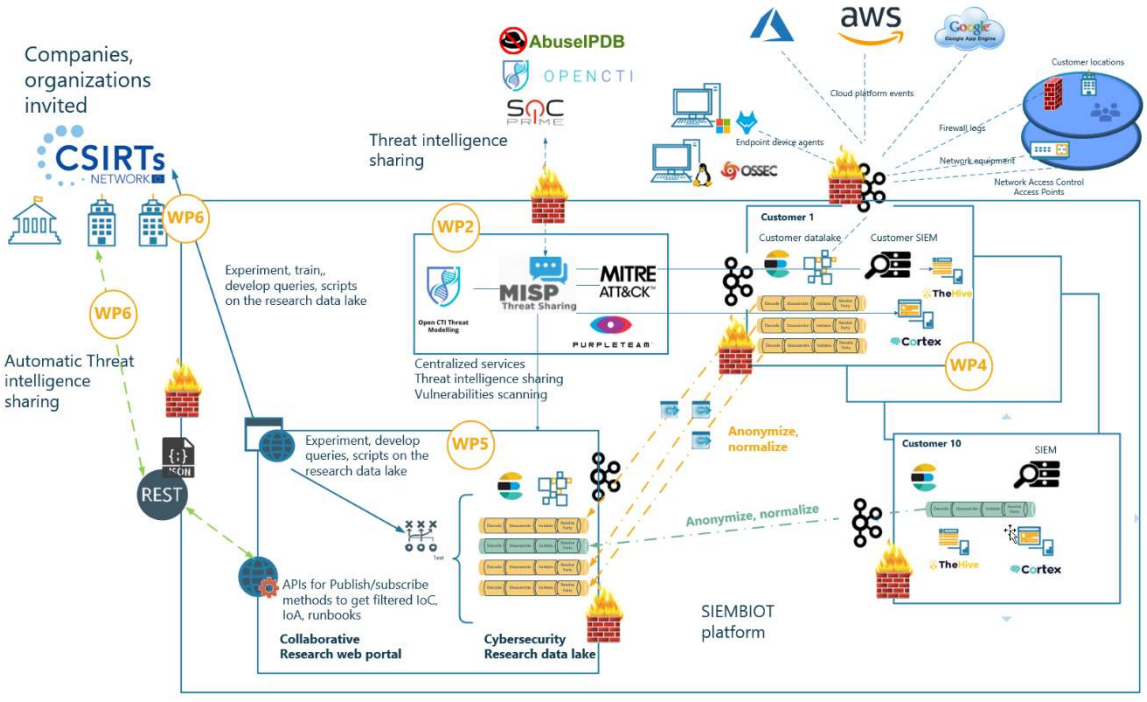
1 BACKGROUND

The overall objective of the SIEMBIOT project is to increase national and regional resilience against cyber-attacks by creating a state-of-the art flexible, modular, and resilient defense and research platform.

SIEMBIOT represents an advanced, modular SIEM, NOC, SOC solution based on a mix of open-source technologies recommended by ENISA research, to enrich and facilitate collaboration among trusted EU entities. The solution accommodates complex IT landscapes distributed across multi-clouds and can leverage customer investments in existing commercial cybersecurity tools & products, integrating events and logs into a normalized and anonymized data lake. SIEMBIOT integrates seamlessly into the customer's IT infrastructure automatically collecting telemetry, events and alerts from different network inflexion points and devices, sending them securely to a SIEM and corelating them with live CTI feeds. Investigation of suspicions events are fed back to CTI partners and to our own collaboration research platform.

By integrating in this way, we will provide an advanced multi-angle view of any environment allowing for rich reporting and time-based analysis of cyber security threats, risks, and threat profiles.

Target platform



This document details the project activities, estimated duration, resources and dependencies.

2 PROJECT GOVERNANCE

2.1 Background

Project governance is the set of rules, structures, systems, and processes under which a project operates. To be effective, the governance function must be headed by a senior manager.

The Plan will serve as an agreement between the following parties: Project Sponsor, Steering Committee, Project Manager, Project Team, and other personnel associated with and/or affected by the project.

2.2 Project board

The role of the project board is to agree the project deliverables and objectives and monitor the work of the project team. In support of the project sponsor the project board will own the benefits of the project and ensure that the project is on track to achieve them.

The project board should act on requests from the project team for changes to the project scope, schedule, or benefits and for further support in resolving risks or issues that cannot be resolved at that level.

Roles & Responsibilities

Title	Names
Executive Sponsor	Tiberiu Baraboi
Responsibilities	
• Overall project owner and champion.	

Title	Name and Office
Sponsors	Lucian Vizeteu / Co-CEO/CTO Dan Cimpean / Director / DNSC Alina Vasilescu / Project Manager / DNSC
Responsibilities	
• Approves Project Initiation Plan • Approves any changes to the plan, scope, or timeline. • Works with project manager to resolve project issues. • Acts as vocal project champion. • May deliver key project communications. • Attends Sponsor (Steering Committee) Meetings. • Receives and Reviews Project Status Reports. • May deliver key project communications. • Attends Sponsor (Steering Committee) Meetings. • Receives and Reviews Project Status Reports.	

2.3 Project Core Team

The project teams have been split based on the skillsets required to fulfil the activities. We simplified the allocation aggregating multiple technical teams.

Roles & responsibilities

Title	Name and Office
Project Managers	Lelcu Ion Didel / Project Manager / Expertware Andreea Galbau / Project Manager / Expertware Catalin Cristescu / Project Manager / DNSC Valeria Popescu / Project Manager / DNSC Mihaita Mogoi / Project Financial Reporting / DNSC
Responsibilities	

• Managing and leading the project team.
• Recruiting project staff and consultants.
• Managing co-ordination of the partners and working groups engaged in project work.
• Detailed project planning and control including:
  ○ Developing and maintaining a detailed project plan.
  ○ Managing project deliverables in line with the project plan.
  ○ Recording and managing project issues and escalating where necessary.
  ○ Resolving cross-functional issues at project level.
  ○ Managing project scope and change control and escalating issues where necessary.
  ○ Monitoring project progress and performance.
  ○ Providing status reports to the project sponsor.
  ○ Managing project training within the defined budget.
  ○ Liaison with, and updates progress to, project steering board/senior management.
  ○ Managing project evaluation and dissemination activities.
  ○ Managing consultancy input within the defined budget.
  ○ Final approval of the design specification.
• Working closely with users to ensure the project meets business needs.
• Definition and management of the User Acceptance Testing programme.
• Identifying user training needs and devising and managing user training programmes.	

Title	Name and Office
CSIRT team	**DNSC is the Romanian national cyber security and incident response team** **Alexandru Apetre / Lead Technical Integration /DNSC** **Adrian Macau / Technical Expert / DNSC** **Stefan Catana / Security Operations / DNSC**
Responsibilities	
• Classifying Department security incidents • Meeting upon notification of a reported computer security incident dependent upon the incident severity level	

- Conducting a preliminary assessment to determine the root cause, source, nature and extent of damage of the suspected computer security incident with recommended responses as deemed appropriate.
- Selecting additional support members and subject matter experts as necessary for the reported incident.
- Maintaining confidentiality and need to know of information related to computer security incidents.
- Maintaining awareness of, and implementing procedures for, an effective response to computer security incidents
- Staying current on functional and security operations for the technologies within their individual area of responsibility
- Management of audits.
- Reviewing the security measures of networks and systems to detect vulnerabilities.

Title	Name and Office
Web & BI Developers	Ionel Popescu / BI Architect / EXPT Marian Nemtoi / Web Development Team Lead / EXPT Matei Simiganoschi / BI developer / EXPT
Responsibilities	
• Definition of functional requirements development requirements and priorities. • Design of data structures, web & UI elements. • Develop interfaces with other systems. • Develop backend and frontend components. • Reporting configuration and deployment. • Set up and maintenance of security rights and access permissions. • Development and operation of technical testing programs. • Production of technical documentation to agreed quality standards. • Reporting on progress/issues to management.	

Title	Name and Office
System Engineers **IT Operations**	Andrei Tarus / Senior system engineer / EXPT Alexandru Roscaneanu / EXPT Andrei Polocoseri / Senior system engineer / EXPT Liviu Sacu / Senior system engineer / EXPT Andrei Bozeanu / Implementation and integration / DNSC Stelian Ghetu / Platform configuration / DNSC Stefan Radulescu / Infrastructure and testing / DNSC
Responsibilities	
• Planning and designing data communication networks, storage, servers • Overseeing the IT infrastructure implementation process • Implementing upgrades to hardware and software as needed • Participate in functional specification development meetings for representatives. • Write / assist with writing of functional specification document(s). • Management and support of the various environments.	

- Network operating systems management and support.
- Database management and support.
- Back-up and disaster recovery measures.
- Contributing to technical strategy, policy, and procedure.
- Development and operation of technical testing programs.
- Production of technical documentation to agreed quality standards
- Support system(s) upon go-live.

Title	Name and Office
Cyber security engineers **SOC Analysts (L1, L2, L3)**	Viorel Horga / Security Analysts Cezar Gulei / Security Analyst Iulian Tarus / Security Engineer Stefan Tanase / Security Monitoring Analyst / DNSC Marius Duta / Security Monitoring Analyst / DNSC Marius Alexe / Security Configuration / DNSC

Responsibilities

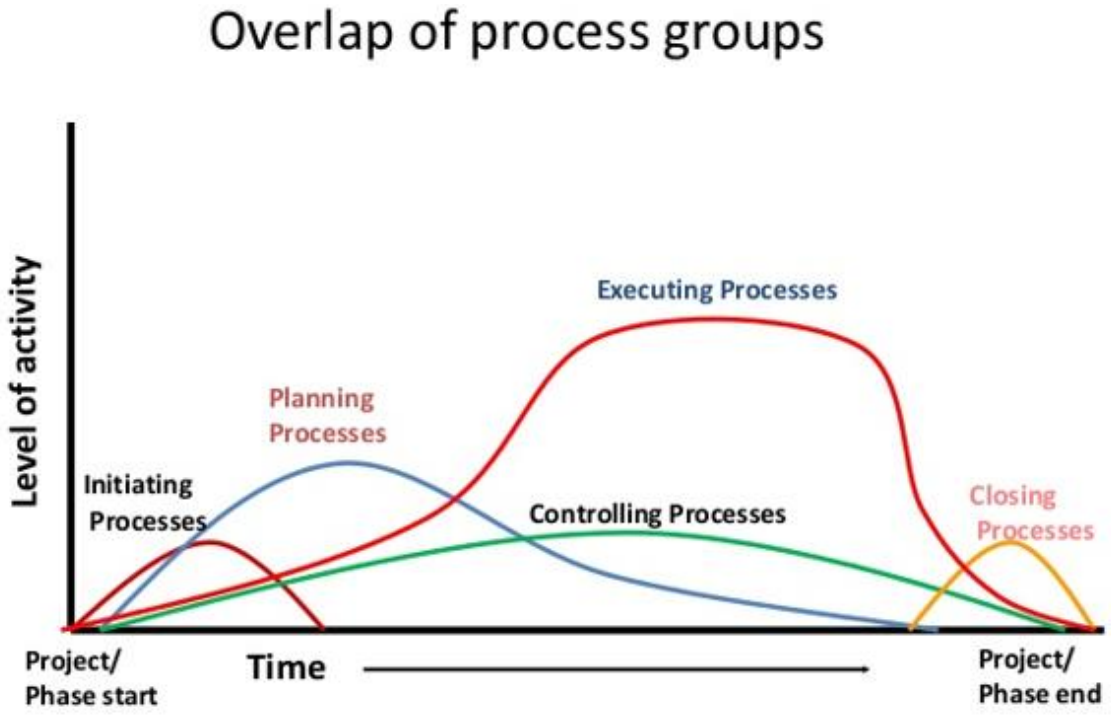
- Identifying security measures to improve incident response.
- Responding to security incidents
- Coordinating incident response across teams
- Performing security assessments and code audits
- Developing technical solutions to security vulnerabilities
- Researching new attack vectors and developing threat models
- Developing risk-based mitigation strategies for networks, operating systems, and applications
- Compiling and tracking vulnerabilities and mitigation results to quantify program effectiveness.
- Creating and maintaining vulnerability management policies, procedures, and training
- Reviewing and defining requirements for information security solutions
- Organizing network-based scans to identify possible network security attacks and host-based scans to identify vulnerabilities in workstations, servers and other network
- Conducts regular security inspections.
- Investigates security threats and breaches.
- Writes comprehensive security reports.
- Ensures that the team follows security and privacy laws and standards.
- Leading efforts to counter security breaches and anticipating and reducing the likelihood of future security alerts, incidents, and disasters.
- Defining, planning, implementing, maintaining, and upgrading security measures, policies, and controls.
- Writing reports and providing insights on the efficacy of the current security policies, incident responses, disaster recovery plans, and other security-related information.
- Assisting with the creation of updates and training programs to secure the network and train the employees.
- Keeping the security systems up to date.
- Monitoring security access and maintaining the relevant data.
- Conducting vulnerability testing and risk analyses to assess security and performing internal and external security audits.

- Analyzing security breaches to identify the cause and to update incidence responses and disaster recovery plans.

2.4 Project Lifecycle

Projects are managed through clearly defined processes that manage delivery and reduce the risk inherent with the degree of uncertainty in projects. These processes manage the trade-off between quality, cost, and schedule.

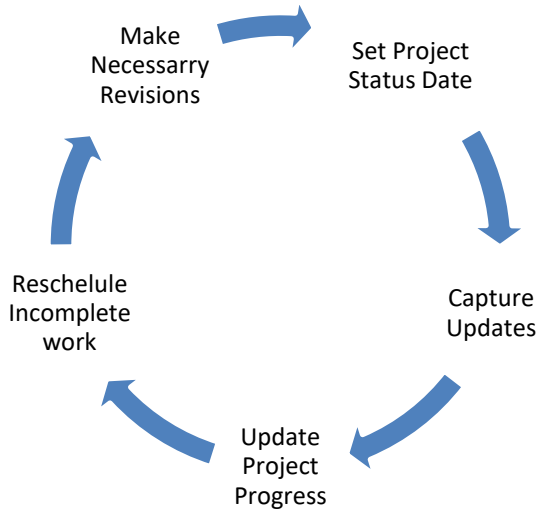
The Expertware Project Management Framework is based on the project management process group, namely Project Initiation, Planning, Execution, Monitoring & Controlling and Closing. Each project management process group consists of a set of processes which are described in the next chapters of this document and are based on the process groups described in the PMBOK® Guide.



These process groups are not sequential but are invoked in the particular moments of a project's life and run throughout the project's life as demonstrated in the diagram above. The Project Manager must invoke particular project management processes depending on the current project phase and the defined quality criteria.

In parallel to executing the project management process groups throughout the project, the project manager must structure the project into manageable project phases. This enables the Project Manager to control the project more effectively and demonstrate to the stakeholders at which point the project is at. The project phases are demonstrated at the Project life cycle - SIEMBIOT plan.

The project update cycle:



Who will update the schedule?

- Project Managers: DNSC and Expertware.

Tracking method

- %Complete
- Actual Work/Remaining Work
- Actual Work per Period

How often?

- Hourly
- Weekly
- Monthly

How will you obtain the updates?

- Meetings Minutes
- Email notifications
- Monthly Timesheets

2.4.1 **Tracking Method**

Full project will be created, maintained, and updated for the full duration of the SIEMBIOT process using MS Project. Microsoft Project is project management software that's used to create schedules, project plans, manage resources and keep track of time. It has features such as Gantt charts, kanban boards and project calendars for project management professionals.

In order tracking the activities we defined the project baseline later in the document, section 3.1.. Monthly progress updates are done in the project management tools showing task completion and eventual deviations.

Each will be reviewed and updated during the periodical meetings to overview any deviations from the baseline plan.

2.4.2 MS Project Baselines

A baseline is a group of nearly 20 primary reference points (in five categories: start dates, finish dates, durations, work, and cost estimates) that we set to record the original project plan when that plan is completed and refined. As the project progresses, we will save a separate baseline at the end of each phase, to compare planned values against actual data.

Because the baseline provides the reference points against which we compare actual project progress, the baseline will include our best estimates for task duration, start and finish dates, costs, and other project variables.

2.4.3 MS Project Interim plans

An interim plan, on the other hand, is a set of current project data that we save after the project begins and that we compare against the baseline to assess project progress. An interim plan saves only two kinds of information:

- Current start dates
- Current finish dates

To keep all records of the project data during the planning phase, we will set multiple baselines instead of using only interim plans, setting a baseline at each major planning milestone. Then, save only task start dates and finish dates after the project begins by setting multiple interim plans.

2.5 Project follow-up meetings

2.5.1 Project Governance Board Meeting (PB)

Members participate in the PB meetings to:

- Accepting and demonstrating ownership for the project.
- Working as a team to provide collective and unified direction.
- Effective delegation with appropriate project tolerances and exception management processes.
- Facilitating cross functional working ensuring that the project structure is recognized and respected by line management.
- Committing all the resources required to successfully complete the project.
- Effective decision-making including risk, issue, and change management.
- Project assurance and quality control.
- Ensuring timely and effective communication within the project and with external stakeholders.
- Ensuring that the project deliverables are reliable, sustainable and can be maintained efficiently.

Meeting Frequency: regular PB meeting are scheduled every 6 months. The Program Board meeting frequency can be increased if driven by the needs of the project and may vary during the lifetime of the project.

2.5.2 Project Financial Review Meeting (PFR)

The PFR is a mandatory document for all projects that have their P & L.

PB perform monthly revenue/cost forecasting based on the information collected during the review and data in the PFR.

Reviewing the project PFR PB and the PM can accurately track the actual and forecast costs and revenue and decide on measures.

The project will be reviewed against the Project Board financial target. Variances, especially negative ones, will need to be agreed with PB management and where a project margin has a negative variance of 5% or more, or the project drops below the PB group financial threshold (currently 35%), an exception report MUST accompany the PFR and be presented in the financial review.

Role

- To review and track the project financial actual and forecast figures against the baseline.
- Attendees will include the FC, the PM, the Senior Expertware stakeholders and optionally the PB if they have any observations with the PFR report (only 1 member of the PB will optionally attend).

Responsibilities

- Each quarter the Finance team will review the PFR with the Project Managers.
- Compare the forecast against the proposal/cost model for each reporting period and, where the new forecast exceeds the original allocation and agreed tolerance, this should be escalated through the PB management and at the finance review.
- Ensure that the project cost does not exceed the approved budget, that budget increase requests are properly managed, and that the expected benefits are achieved.
- The meeting is typically 15-30 minutes long depending on the size, complexity, and stability of the project.
- The review is primarily focused on Revenue, Costs, Margin and Billing for which the Finance tab is a useful summary sheet.
- The PFR will be reviewed for accuracy against the financial balances for the months covered.

Meeting Frequency

The financial reviews will usually occur between the 15th & 28th of each month and the meeting invite is issued by the assigned Finance Controller.

Membership

Members of the Review meeting are the Project Managers, Executive / Senior Responsible Owner, Financial Directors

Full name	Role	Company
Cristina Mantaluta	Financial Director	EXPT
Lelcu Ion Didel	Project Manager	EXPT
Valeria Popescu	Project Manager	DNSC
Catalin Cristescu	Project Manager	DNSC

2.5.3 Project Steering Board (determined by the PB)

Depending on the nature of the project, a formal board may not be required, however, the SBR (Steering Board Report) is mandatory for all projects and should be produced at least once quarterly alongside the monthly PFR report.

Role

- The Steering Board is a decision body which commonly decides on measures for solving project issues and is chaired by the Project Manager.
- It is a steering body which oversees the project activities and directs the project.
- Members of the Internal Steering Board are PM, PB, Senior Expertware stakeholders.

Responsibilities

- To make decisions on significant changes or escalated issues related to the project.
- To support project issue resolution within the limits of his/her individual responsibilities and authorizations.
- To ensures that the project achieves its objectives and key goals.
- To ensure that the project costs are not exceeding the approved budget, that any budget increase requests are properly managed, and that the expected benefits are achieved.
- Accepts and agrees achievement of the key project deliverables and milestones.

Membership

Full name	Role	Company
Lelcu Ion Didel	Project Manager	EXPT
Tiberiu Baraboi	Project Manager	EXPT
Valeria Popescu	Project Manager	DNSC
Catalin Cristescu	Project Manager	DNSC

Meeting Frequency

Members are expected to meet monthly or more frequently if required.

3 PLANNING BASELINE

3.1 Activities & dependencies

Project activities are defined considering the dependencies and resource availability. We detail below the activities, their baseline schedules, and the relationships (depends on, starts together with). The progress is tracked against the baseline set so eventual deviations can be mitigated and managed.

ID	WBS	Task Mode	Task Name	Duration	Start	Finish	% Complete	Predecessors
1	**1**	**Manually Scheduled**	**WP1 Project Management and coordination**	**782 days**	**Fri 01/09/23**	**Mon 31/08/26**	**1%**	
2	**1.1**	**Auto Scheduled**	**Project Management follow-up**	**6 days**	**Mon 04/09/23**	**Mon 11/09/23**	**100%**	
3	1.1.1	Manually Scheduled	Kick-Off workshops	3 days	Mon 04/09/23	Wed 06/09/23	100%	
4	1.1.2	Manually Scheduled	Establish project site & reporting templates	2 days	Fri 08/09/23	Mon 11/09/23	100%	3
5	**1.2**	**Auto Scheduled**	**Dissemination and targeted communication**	**367 days**	**Sat 01/02/25**	**Tue 30/06/26**	**0%**	
6	1.2.1	Manually Scheduled	Sprint1 - Communication	131 days	Tue 01/04/25	Tue 30/09/25	0%	
7	1.2.2	Manually Scheduled	Sprint2 - Communication	130 days	Sat 01/02/25	Thu 31/07/25	0%	
8	1.2.3	Manually Scheduled	Sprint3 - Communication	128 days	Fri 02/01/26	Tue 30/06/26	0%	
9	**1.3**	**Auto Scheduled**	**Engagement with CSIRT organizations**	**370 days**	**Sat 01/03/25**	**Fri 31/07/26**	**0%**	**4**
10	1.3.1	Manually Scheduled	Sprint1 - CSIRT organizations engagement	127 days	Sat 01/03/25	Sun 24/08/25	0%	
11	1.3.2	Manually Scheduled	Sprint2 - CSIRT organizations engagement	152 days	Thu 01/01/26	Fri 31/07/26	0%	

ID	WBS	Task Mode	Task Name	Duration	Start	Finish	% Complete	Predecessors
12	**1.4**	**Auto Scheduled**	**Liaison and alignment with other EU initiatives**	**216 days**	**Sat 01/06/24**	**Mon 31/03/25**	**0%**	
13	1.4.1	Manually Scheduled	Sprint1 - Review 2024 related EU initiatives	67 days	Sat 01/06/24	Sat 31/08/24	0%	
14	1.4.2	Manually Scheduled	Sprint2 - Review 2025 related EU initiatives	64 days	Wed 01/01/25	Mon 31/03/25	0%	
15	**1.5**	**Auto Scheduled**	**Risk Management and quality assurance**	**4 days**	**Mon 16/10/23**	**Fri 20/10/23**	**0%**	
16	1.5.1	Manually Scheduled	Publish the project plan	0 days	Mon 16/10/23	Mon 16/10/23	95%	
17	1.5.2	Manually Scheduled	Publish the project risk register	0 days	Fri 20/10/23	Fri 20/10/23	85%	
18	**2**	**Manually Scheduled**	**[WP2] SIEMBIOT system design**	**64 days?**	**Mon 04/09/23**	**Thu 30/11/23**	**92%**	**3**
19	**2.1**	**Manually Scheduled**	**Define platform requirements**	**20 days**	**Mon 04/09/23**	**Fri 29/09/23**	**100%**	
20	2.1.1	Auto Scheduled	Define multi-tenancy requirements	5 days	Mon 04/09/23	Fri 08/09/23	100%	
21	2.1.2	Manually Scheduled	Define platform sizing	5 days	Fri 08/09/23	Thu 14/09/23	100%	
22	2.1.3	Auto Scheduled	Define platform use cases	10 days	Fri 15/09/23	Thu 28/09/23	100%	20
23	**2.2**	**Auto Scheduled**	**Platform high level system architecture**	**16 days**	**Mon 02/10/23**	**Mon 23/10/23**	**93%**	**19**
24	2.2.1	Manually Scheduled	Evaluate and select open-source software components	8 days	Mon 02/10/23	Wed 11/10/23	90%	
25	2.2.2	Manually Scheduled	Networking services architecture	8 days	Mon 02/10/23	Wed 11/10/23	100%	

ID	WBS	Task Mode	Task Name	Duration	Start	Finish	% Complete	Predecessors
26	2.2.3	Manually Scheduled	Storage platform architecture	8 days	Mon 02/10/23	Wed 11/10/23	100%	
27	2.2.4	Manually Scheduled	Security services architecture	8 days	Mon 02/10/23	Wed 11/10/23	100%	
28	2.2.5	Manually Scheduled	Platform HA and DR capabilities	8 days	Thu 12/10/23	Mon 23/10/23	75%	24;25;26;27
29	**2.3**	**Auto Scheduled**	**CTI system architecture**	**14 days**	**Fri 15/09/23**	**Wed 04/10/23**	**96%**	
30	2.3.1	Manually Scheduled	Evaluate and select CTI tools and feeds	4 days	Fri 15/09/23	Wed 20/09/23	100%	3
31	2.3.2	Manually Scheduled	Shared platform design for OpenCTI	4 days	Thu 21/09/23	Tue 26/09/23	100%	30
32	2.3.3	Manually Scheduled	Shared platform design for MISP server	4 days	Wed 27/09/23	Mon 02/10/23	100%	31
33	2.3.4	Manually Scheduled	Shared platform -connectors design	2 days	Tue 03/10/23	Wed 04/10/23	75%	32
34	**2.4**	**Auto Scheduled**	**Continuous Vulnerability Management system architecture**	**21 days**	**Thu 05/10/23**	**Thu 02/11/23**	**67%**	**29**
35	2.4.1	Manually Scheduled	Evaluate and select vulnerability scanning solutions	5 days	Thu 05/10/23	Wed 11/10/23	50%	
36	2.4.2	Manually Scheduled	System architecture design for selected toolsets	5 days	Thu 12/10/23	Wed 18/10/23	75%	35
37	2.4.3	Manually Scheduled	Integration with CTI toolsets	5 days	Fri 27/10/23	Thu 02/11/23	75%	36
38	**2.5**	**Auto Scheduled**	**Security architecture**	**17 days**	**Fri 01/09/23**	**Mon 25/09/23**	**100%**	
39	2.5.1	Manually Scheduled	Tenants' data segregations principles	5 days	Fri 01/09/23	Thu 07/09/23	100%	3

ID	WBS	Task Mode	Task Name	Duration	Start	Finish	% Complete	Predecessors
40	2.5.2	Manually Scheduled	Data Privacy principles	4 days	Fri 08/09/23	Wed 13/09/23	100%	39
41	2.5.3	Manually Scheduled	Shared platform (CTI, VM) security consideration	4 days	Thu 14/09/23	Tue 19/09/23	100%	40
42	2.5.4	Manually Scheduled	Network traffic segregation	4 days	Wed 20/09/23	Mon 25/09/23	100%	39;40;41
43	2.6	Manually Scheduled	Publish high level design document	0 days	Fri 24/11/23	Fri 24/11/23	0%	23;29;34
44	**3**	**Auto Scheduled**	**[WP3] SIEMBIOT Platform build**	**199 days**	**Thu 05/10/23**	**Wed 10/07/24**	**6%**	
45	**3.1**	**Auto Scheduled**	**IT equipment acquisition**	**69 days**	**Thu 05/10/23**	**Tue 09/01/24**	**18%**	**19;25;26;27**
46	3.1.1	Manually Scheduled	Request offers from multiple vendors (compute, storage, networking)	23 days	Thu 05/10/23	Mon 06/11/23	50%	
47	3.1.2	Manually Scheduled	IT equipment acquisition process	20 days	Tue 07/11/23	Mon 04/12/23	0%	46
48	3.1.3	Manually Scheduled	IT equipment reception & validation	20 days	Wed 13/12/23	Tue 09/01/24	0%	47
49	**3.2**	**Auto Scheduled**	**Hardware and software deployment**	**40 days**	**Wed 10/01/24**	**Tue 05/03/24**	**0%**	
50	3.2.1	Manually Scheduled	Deploy networking equipment	20 days	Wed 10/01/24	Tue 06/02/24	0%	48
51	3.2.2	Manually Scheduled	Deploy storage enclosures	10 days	Wed 07/02/24	Tue 20/02/24	0%	50
52	3.2.3	Manually Scheduled	Deploy and configure security equipment	10 days	Wed 07/02/24	Tue 20/02/24	0%	50
53	3.2.4	Manually Scheduled	Install hybrid processing nodes	10 days	Wed 21/02/24	Tue 05/03/24	0%	52

ID	WBS	Task Mode	Task Name	Duration	Start	Finish	% Complete	Predecessors
54	**3.3**	**Auto Scheduled**	**Deploy and configure central threat intelligence services**	**40 days**	**Wed 06/03/24**	**Tue 30/04/24**	**0%**	**49**
55	3.3.1	Manually Scheduled	Install central CTI software package	10 days	Wed 06/03/24	Tue 19/03/24	0%	49
56	3.3.2	Manually Scheduled	Configure CTI external feeds	10 days	Wed 20/03/24	Tue 02/04/24	0%	55
57	3.3.3	Manually Scheduled	Configure correlation engine (Cortex)	10 days	Wed 03/04/24	Tue 16/04/24	0%	56
58	3.3.4	Manually Scheduled	Configure & validate communication to SIEMBIOT tenants	10 days	Wed 17/04/24	Tue 30/04/24	0%	55;56;57
59	**3.4**	**Auto Scheduled**	**Deploy and configure central vulnerabilities scanning services**	**41 days**	**Thu 02/05/24**	**Thu 27/06/24**	**0%**	**49**
60	3.4.1	Manually Scheduled	Install vulnerability scanning tools	10 days	Thu 02/05/24	Wed 15/05/24	0%	58
61	3.4.2	Manually Scheduled	Configure central vulnerability scanning tools	10 days	Mon 20/05/24	Fri 31/05/24	0%	60
62	3.4.3	Manually Scheduled	Configure integration with correlation engine & CTI	9 days	Mon 03/06/24	Thu 13/06/24	0%	61
63	3.4.4	Manually Scheduled	Configure & validate communication to SIEMBIOT tenants	9 days	Mon 17/06/24	Thu 27/06/24	0%	62
64	**3.5**	**Auto Scheduled**	**Platform validation**	**8 days**	**Fri 28/06/24**	**Tue 09/07/24**	**0%**	**49;54;59**
65	3.5.1	Manually Scheduled	Functional validation	4 days	Fri 28/06/24	Wed 03/07/24	0%	63
66	3.5.2	Manually Scheduled	Performance & resilience tests	4 days	Thu 04/07/24	Tue 09/07/24	0%	65
67	3.5.3	Manually Scheduled	Security validation tests	4 days	Thu 04/07/24	Tue 09/07/24	0%	65

ID	WBS	Task Mode	Task Name	Duration	Start	Finish	% Complete	Predecessors
68	3.6	Manually Scheduled	Finalize platform deployment & validation	0 days	Wed 10/07/24	Wed 10/07/24	0%	
69	**4**	**Auto Scheduled**	**[WP4] Operate SIEMBIOT platform**	**653 days**	**Mon 01/04/24**	**Wed 30/09/26**	**0%**	
70	**4.1**	**Auto Scheduled**	**Beneficiaries & partners engagement**	**559 days**	**Wed 10/07/24**	**Mon 31/08/26**	**0%**	
71	4.1.1	Manually Scheduled	Sprint1 - beneficiaries & partner engagement	262 days	Wed 10/07/24	Thu 10/07/25	0%	68
72	4.1.2	Manually Scheduled	Sprint2 - beneficiaries & partner engagement	261 days	Mon 01/09/25	Mon 31/08/26	0%	
73	**4.2**	**Auto Scheduled**	**Training & certifications (SANS)**	**131 days**	**Mon 01/04/24**	**Mon 30/09/24**	**0%**	
74	4.2.1	Manually Scheduled	Incident response courses & certifications	66 days	Mon 01/04/24	Sun 30/06/24	0%	
75	4.2.2	Manually Scheduled	Threat Hunters courses & certifications	66 days	Mon 01/07/24	Mon 30/09/24	0%	
76	**4.3**	**Auto Scheduled**	**Configure SIEMBIOT automation template**	**38 days**	**Wed 10/07/24**	**Sun 01/09/24**	**0%**	
77	4.3.1	Manually Scheduled	Create SIEMaaS tenant template	25 days	Wed 10/07/24	Tue 13/08/24	0%	
78	4.3.2	Manually Scheduled	Create operational instructions	23 days	Thu 01/08/24	Sun 01/09/24	0%	
79	**4.4**	**Auto Scheduled**	**SIEMBIOT onboarding**	**500 days**	**Mon 02/09/24**	**Fri 31/07/26**	**0%**	
80	4.4.1	Manually Scheduled	Sprint1 - beneficiaries onboarding in dedicated tenants	216 days	Mon 02/09/24	Mon 30/06/25	0%	78
81	4.4.2	Manually Scheduled	Sprint2 - beneficiaries onboarding in dedicated tenants	261 days	Fri 01/08/25	Fri 31/07/26	0%	

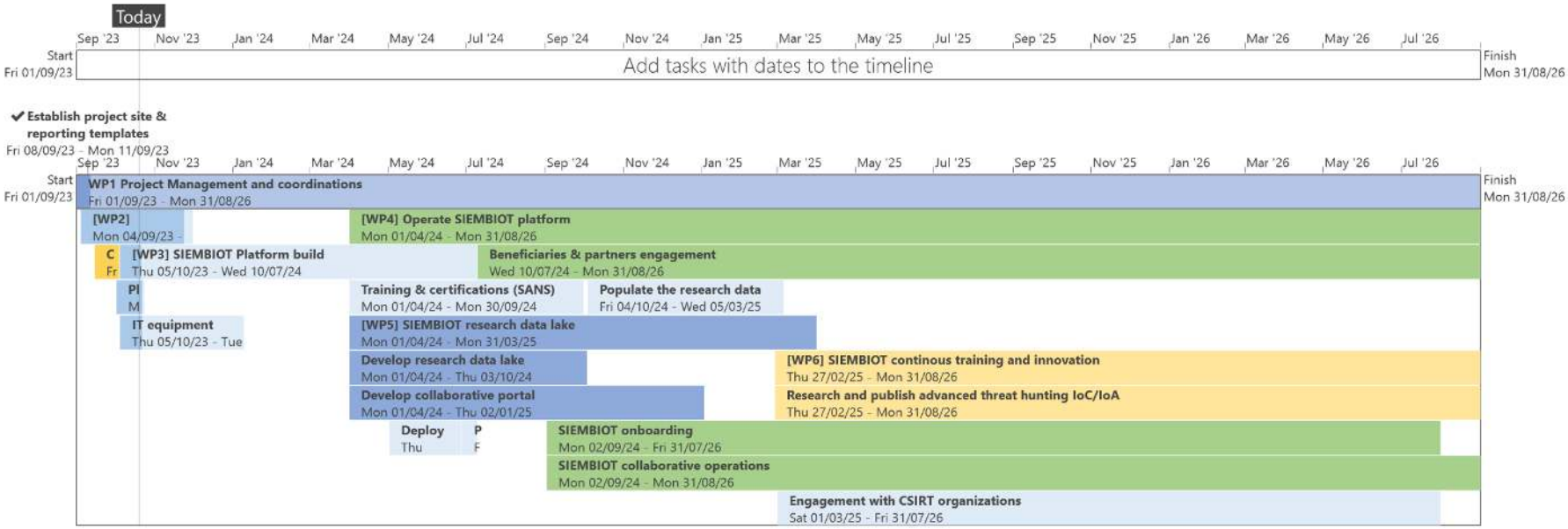
ID	WBS	Task Mode	Task Name	Duration	Start	Finish	% Complete	Predecessors
82	**4.5**	**Auto Scheduled**	**SIEMBIOT collaborative operations**	**543 days**	**Mon 02/09/24**	**Wed 31/08/26**	**0%**	
83	4.5.1	Manually Scheduled	24/7 operations (NOC, SOC, SIEM, CTI, VM)	543 days	Mon 02/09/24	Wed 31/08/26	0%	78
84	4.5.2	Manually Scheduled	Threat intelligence sharing among tenants	522 days	Mon 02/09/24	Tue 01/09/26	0%	78
85	4.5.3	Manually Scheduled	Generate and publish SOC KPIs	522 days	Mon 02/09/24	Tue 01/09/26	0%	78
86	**5**	**Auto Scheduled**	**[WP5] SIEMBIOT research data lake**	**261 days**	**Mon 01/04/24**	**Mon 31/03/25**	**0%**	
87	**5.1**	**Auto Scheduled**	**Develop research data lake**	**134 days**	**Mon 01/04/24**	**Thu 03/10/24**	**0%**	
88	5.1.1	Manually Scheduled	Data lake design (enrichment, anonymization, transformation)	45 days	Mon 01/04/24	Fri 31/05/24	0%	
89	5.1.2	Manually Scheduled	Instream processing development	67 days	Mon 03/06/24	Tue 03/09/24	0%	88
90	5.1.3	Manually Scheduled	Unit test & security validation	22 days	Wed 04/09/24	Thu 03/10/24	0%	89
91	**5.2**	**Auto Scheduled**	**Populate the research data lake**	**109 days**	**Fri 04/10/24**	**Wed 05/03/25**	**0%**	**90**
92	5.2.1	Manually Scheduled	Connect and feed data to data lake	66 days	Fri 04/10/24	Fri 03/01/25	0%	90
93	5.2.2	Manually Scheduled	Unit test & performance tests	43 days	Mon 06/01/25	Wed 05/03/25	0%	92
94	**5.3**	**Auto Scheduled**	**Develop collaborative portal**	**199 days**	**Mon 01/04/24**	**Thu 02/01/25**	**0%**	
95	5.3.1	Manually Scheduled	Design phase: user stories, user interface	45 days	Mon 01/04/24	Fri 31/05/24	0%	

ID	WBS	Task Mode	Task Name	Duration	Start	Finish	% Complete	Predecessors
96	5.3.2	Manually Scheduled	Web portal development	131 days	Mon 03/06/24	Mon 02/12/24	0%	95
97	5.3.3	Manually Scheduled	Unit test & performance tests	23 days	Tue 03/12/24	Thu 02/01/25	0%	96
98	**5.4**	**Auto Scheduled**	**Web portal validation**	**41 days**	**Sat 01/02/25**	**Mon 31/03/25**	**0%**	
99	5.4.1	Manually Scheduled	Functional testing with partners	18 days	Thu 06/03/25	Mon 31/03/25	0%	96;93
100	5.4.2	Manually Scheduled	Security validation (data segregation, web portal roles)	19 days	Sat 01/02/25	Wed 26/02/25	0%	
101	**6**	**Auto Scheduled**	**[WP6] SIEMBIOT continuous training and innovation**	**393 days**	**Thu 27/02/25**	**Mon 31/08/26**	**0%**	
102	**6.1**	**Auto Scheduled**	**Interoperability with partner organisations**	**372 days**	**Thu 27/02/25**	**Sat 01/08/26**	**0%**	**100**
103	6.1.1	Manually Scheduled	Design collaboration portal access roles	22 days	Thu 27/02/25	Fri 28/03/25	0%	100
104	6.1.2	Manually Scheduled	Validate organizations and assign access roles	22 days	Mon 31/03/25	Tue 29/04/25	0%	103
105	6.1.3	Manually Scheduled	Onboard partner organizations	329 days	Wed 30/04/25	Sat 01/08/26	0%	104
106	6.1.4	Manually Scheduled	Onboarding procedure and manual	20 days	Wed 30/04/25	Tue 27/05/25	0%	104
107	**6.2**	**Auto Scheduled**	**Continuous research**	**393 days**	**Thu 27/02/25**	**Mon 31/08/26**	**0%**	
108	6.2.1	Manually Scheduled	Research and publish advanced threat hunting IoC/IoA	393 days	Thu 27/02/25	Mon 31/08/26	0%	100
109	6.2.2	Manually Scheduled	Research and publish SOAR response runbooks	393 days	Thu 27/02/25	Mon 31/08/26	0%	100

ID	WBS	Task Mode	Task Name	Duration	Start	Finish	% Complete	Predecessors
110	6.2.3	Manually Scheduled	Research and publish forecasts, anomalies	393 days	Thu 27/02/25	Mon 31/08/26	0%	100
111	**6.3**	**Auto Scheduled**	**SIEMBIOT training sessions**	**393 days**	**Thu 27/02/25**	**Mon 31/08/26**	**0%**	
112	6.3.1	Manually Scheduled	Blue team incident response	393 days	Thu 27/02/25	Mon 31/08/26	0%	100
113	6.3.2	Manually Scheduled	Blue team advanced hunting	326 days	Sun 01/06/25	Fri 28/08/26	0%	100
114	6.3.3	Manually Scheduled	Blue team advanced analytics	260 days	Mon 01/09/25	Fri 28/08/26	0%	100

Weekly completion follow-up is done by the project managers.

3.2 Project timeline according to baseline



3.3 Teams and resource allocations

Month #	Month & Year	WP1		WP2		WP3		WP4		WP5		WP6		Resource Allocations: Expertware								DNSC
m1	sep-23	WP 1	0,5	WP 2	3									Iulian Tarus	Andrei Polocoseri	Liviu Sacu						DNSCx1
m2	oct-23	WP 1	0,5	WP 2	3									Iulian Tarus	Andrei Polocoseri	Liviu Sacu						DNSCx1.5
m3	nov-23	WP 1	0,5	WP 2	3									Iulian Tarus	Andrei Polocoseri	Liviu Sacu						DNSCx1.5
m4	dec-23	WP 1	0,5	WP 2	3	WP 3	4							Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu			DNSCx1.5
m5	jan-24	WP 1	0,5			WP 3	5							Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu			DNSCx1.5
m6	feb-24	WP 1	0,5			WP 3	5							Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu			DNSCx1.5
m7	mar-24	WP 1	0,5			WP 3	5							Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu			DNSCx1.5
m8	apr-24	WP 1	0,5			WP 3	4			WP 5	5			Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Marian Nemtoi	Matei Simiganovschi	DNSCx2.5
m9	may-24	WP 1	0,5			WP 3	4			WP 5	5			Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Marian Nemtoi	Matei Simiganovschi	DNSCx2.5
m10	jun-24	WP 1	0,5			WP 3	3			WP 5	5			Iulian Tarus	Andrei Polocoseri	Liviu Sacu		Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Marian Nemtoi	Matei Simiganovschi	DNSCx2.5
m11	jul-24	WP 1	0,5					WP 4	5	WP 5	4			Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Marian Nemtoi	Matei Simiganovschi	DNSCx2.5
m12	aug-24	WP 1	0,5					WP 4	5	WP 5	4			Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Marian Nemtoi	Matei Simiganovschi	DNSCx2.5
m13	sep-24	WP 1	0,5					WP 4	5	WP 5	4			Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Marian Nemtoi	Matei Simiganovschi	DNSCx2.5
m14	oct-24	WP 1	0,5					WP 4	5	WP 5	4			Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Marian Nemtoi	Matei Simiganovschi	DNSCx2.5
m15	nov-24	WP 1	0,5					WP 4	5	WP 5	4			Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Marian Nemtoi	Matei Simiganovschi	DNSCx2.5
m16	dec-24	WP 1	0,5					WP 4	5	WP 5	4			Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Marian Nemtoi	Matei Simiganovschi	DNSCx2.5
m17	jan-25	WP 1	0,5					WP 4	5	WP 5	4			Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Marian Nemtoi	Matei Simiganovschi	DNSCx2.5
m18	feb-25	WP 1	0,5					WP 4	4	WP 5	5			Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Marian Nemtoi	Matei Simiganovschi	DNSCx2.5
m19	mar-25	WP 1	0,5					WP 4	5			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Cezar Gulei		DNSCx2.5
m20	apr-25	WP 1	0,5					WP 4	5			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Cezar Gulei		DNSCx2.5
m21	may-25	WP 1	0,5					WP 4	5			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Cezar Gulei		DNSCx2.5
m22	jun-25	WP 1	0,5					WP 4	5			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Cezar Gulei		DNSCx2.5
m23	jul-25	WP 1	0,5					WP 4	5			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Cezar Gulei		DNSCx2.5
m24	aug-25	WP 1	0,5					WP 4	5			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Cezar Gulei		DNSCx2.5
m25	sep-25	WP 1	0,5					WP 4	5			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Cezar Gulei		DNSCx2.5
m26	oct-25	WP 1	0,5					WP 4	5			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Cezar Gulei		DNSCx2.5
m27	nov-25	WP 1	0,5					WP 4	5			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Cezar Gulei		DNSCx2.5
m28	dec-25	WP 1	0,5					WP 4	5			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Cezar Gulei		DNSCx2.5
m29	jan-26	WP 1	0,5					WP 4	5			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Cezar Gulei		DNSCx2.5
m30	feb-26	WP 1	0,5					WP 4	5			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu	Ionel Popescu	Cezar Gulei		DNSCx2.5
m31	mar-26	WP 1	0,5					WP 4	5			WP 6	2	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu		Cezar Gulei		DNSCx2.5
m32	apr-26	WP 1	0,5					WP 4	4			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus		Ionel Popescu	Cezar Gulei		DNSCx2.5
m33	may-26	WP 1	0,5					WP 4	4			WP 6	3	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus		Ionel Popescu	Cezar Gulei		DNSCx2.5
m34	jun-26	WP 1	0,5					WP 4	5			WP 6	2	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu		Cezar Gulei		DNSCx2.5
m35	jul-26	WP 1	0,5					WP 4	5			WP 6	2	Iulian Tarus	Andrei Polocoseri	Liviu Sacu	Viorel Horga	Andrei Tarus	Alexandru Roscaneanu		Cezar Gulei		DNSCx2.5
m36	aug-26	WP 1	0,5									WP 6	3				Viorel Horga			Ionel Popescu	Cezar Gulei		DNSCx2.5

The allocation above highlights the resource allocation per work packages using color codes.

For the sake of clarity, we excluded the project managers allocation as it is continuous for the duration of the project.

4 REVISED AFTER REVIEW - UPDATED FUNCTIONAL ROLES FOR RESUBMITTED PROJECT PLAN

This section supplements the project governance structure by detailing the actual roles and responsibilities of the key participants involved under the SIEMBIOT project. It emphasizes functional contributions independent of organizational affiliation, in accordance with the review comments on D1.1.

Name	**Participants**	**Team / Role**	**Responsibility**	**Work Packages**
Didel Lelcu	EXPT	Project Manager	Initial PM until Jan 2025	WP1, WP5, WP6
Tiberiu Baraboi	EXPT	Project Manager, Technical Coordinator, Technical Advisor Board	Coordinates project implementation and quality assurance; Strategic architecture and continuity lead	WP1, WP2, WP3, WP4, WP5, WP6
Andrei Polocoseri	EXPT	SOC Security Analyst	Security architecture, compliance, and threat analysis	WP2, WP3, WP4, WP5
Iulian Tarus	EXPT	SOC Cybersecurity Engineer	Network security, SIEM configuration	WP2, WP3, WP4, WP5
Liviu Sacu	EXPT	SOC Cybersecurity Expert	Vulnerability management and platform hardening	WP2, WP3, WP4, WP5
Viorel Horga	EXPT	SOC Team Lead	SIEM implementation, Threat detection, CTI orchestration, incident response,	WP2, WP3, WP4, WP5, WP6
Andrei Tarus	EXPT	IT Operations Cloud Security Architect	Virtualization infrastructure, redundancy, system integration	WP3, WP4, WP5
Marian Nemtoi	EXPT	Development Team Web Development Lead	Portal development, frontend security	WP3, WP4, WP5
Ionel Popescu	EXPT	Development Team BI & ML Lead	Anomaly detection, ML data flows, analytics	WP3, WP5

Traian Popovici	EXPT	Dissemination & Communication	Communication and SOC KPI reporting	WP3, WP4, WP5
Andreea Galbau	EXPT	Dissemination & Communication	Stakeholder reporting and implementation support	WP3, WP5
Alexandru Roscaneanu	EXPT	IT Operations Infra Lead	Security architecture, cloud operations	WP5, WP6
Matei Simiganoschi	EXPT	Development Team BI Data Engineer	ETL and data lake management	WP5, WP6
Cosmin Musu	EXPT	IT Operations Cloud Security Architect	Automation and orchestration templates	WP4
Cătălin Cristescu	DNSC	Project Manager	Coordination and implementation	WP1, WP2, WP4, WP5, WP6
Valeria Popescu	DNSC	Back-up Project Manager	Implementation support	WP1, WP2, WP4, WP5, WP6
Alexandru Apetre	DNSC	CSIRT / SOC Technical Coordinator	Lead DNSC technical integration	WP2, WP3, WP4, WP5, WP6
Teodor Vergu	DNSC	CSIRT / SOC Technical Member	Support platform delivery	WP2, WP3, WP4, WP5, WP6
Mirabela Săvulescu	DNSC	Dissemination & communciation Technical Member	Support platform delivery	WP2, WP3, WP4, WP5, WP6
Adrian Măcău	DNSC	CSIRT / SOC Technical Expert	Implementation and integration	WP2, WP3, WP4, WP5, WP6

Andrei Bozeanu	DNSC	IT Operations Technical Expert	Implementation and integration	WP2, WP3, WP4, WP5, WP6
Ștefan Cătănea	DNSC	CSIRT / SOC Technical Expert	Security operations	WP2, WP3, WP4, WP5, WP6
Stelian Ghețu	DNSC	IT Operations Technical Expert	Platform configuration	WP2, WP3, WP4, WP5, WP6
Ștefan Rădulescu	DNSC	IT Operations Technical Expert	Infrastructure and testing	WP2, WP3, WP4, WP5, WP6
Alexandra Dinu	DNSC	Dissemination & communication Comms Expert	Dissemination and awareness	WP2, WP3, WP4, WP5, WP6
Marius Alexe	DNSC	CSIRT / SOC Technical Expert	Security configuration & research	WP2, WP3, WP4, WP5, WP6
Andrei Mitrana	DNSC	HR Expert	HR planning and training	WP1, WP6
Mihăiță Mogoi	DNSC	Finance Lead	Project financial reporting	WP1
Ștefan Tănase	DNSC	CSIRT / SOC Technical Expert	Security monitoring and research	WP2, WP3, WP4, WP5, WP6
Marius Duță	DNSC	CSIRT / SOC Technical Expert	Security monitoring and research	WP2, WP3, WP4, WP5, WP6

This functional mapping reflects actual team roles as adapted during implementation and ensures clear attribution of responsibilities. The composition draws upon cross-WP technical and operational expertise to deliver a resilient and integrated security service to beneficiaries.