

Project co-ordinator contact

Name: S Swift
Address: C International Ltd.,
The Manor, Haseley Business Centre
Warwick CV35 7LS
Phone Numbers: (+44) 024 76 537043 Fax Numbers: (+44) 024 76 247220
E-mail sswift@cinternational.co.uk Project web site www.eu-domain.eu.com

Executive Summary

Main achievements

During this second reporting period, covering October to November 2004, the eu-DOMAIN project has proceeded to schedule achieving its objectives for the period:

- User requirements specification has been completed with the production of the
 - Functional user requirements
 - Societal user requirements
 - Trust and security requirements, and
 - drafting of the Workflow analysis and optimisation.
- The project's dissemination has been continued through organised workshop and conference attendance, and the production of the project's dissemination and use plans.
- Good progress has been made against the development of the eu-DOMAIN client and server side architectures. Associated security and design workshops have been held as planned and the architecture descriptions are on schedule to be completed by February 2005.

Progress in implementation of the 'Description of Work'/Problems encountered

The project's workplan has progressed as intended with the scheduled tasks and deliverables completed to plan at this point in the project. There have been no issues or unexpected problems that have impacted the project's schedule, costs or quality.

The project's resource usage is running to plan. Actual man-months are slightly above planned months for this point in the project but this is due to the fact that some of the work planned for Workpackages 3,4 and 5 continues to run ahead of schedule.

Highlights/anticipated problems for next reporting period

It is anticipated that during the next reporting period (December 2004 to February 2005) the project's work will continue to schedule with no deviations from plan:

- The eu-DOMAIN client and server-side architectures will be finalised and the design guides completed. Furthermore, it is anticipated that the implementation of the architecture will commence ahead of schedule
- The outcomes to date of completed Workpackage 2 and the on-going workpackages 1, 3, 4 and 9 will be evaluated and assessed
- The projects dissemination and use plan will be implemented and the already established dissemination programme continued. The project website will be further enhanced.
- Early communications infrastructure design work, currently running ahead of schedule, will continue.

1 – Overview

1.1 Objectives attainment

eu-DOMAIN has achieved its aims for this reporting period with progress against the set objectives as follows:

<i>Objectives</i>	<i>Progress towards achieving objectives</i>
<input type="checkbox"/> Continue the project's operational project management	<ul style="list-style-type: none"> The project is progressing under its sound managerial framework. Each and every project partner continues to play their full role in the project. The project is currently running to schedule in terms of its objectives achievements and resource usage.
<input type="checkbox"/> Specify user requirements - carry out state-of-the-art analysis and scenarios building.	<ul style="list-style-type: none"> The user requirements work has now been completed. The Functional user requirements specification has been completed The Trust and security requirements specification has been completed The Societal requirements specification has been completed The workflow procedures deliverable has been drafted but has been rescheduled for a more logical completion (than first planned) when the architecture specifications are complete.
<input type="checkbox"/> Progress the architecture specifications	<ul style="list-style-type: none"> Both the client and server-side architectures specification are currently running ahead of schedule and will be completed in the next reporting period. This has also allowed work on the communications infrastructure to progress ahead of schedule.
<input type="checkbox"/> Implement the project's dissemination framework	<ul style="list-style-type: none"> The project's Dissemination and use plan has been drafted Dissemination activities have been continued by the partners. An important workshop - Bringing Knowledge Management tools to the emerging world of Ambient Intelligence infrastructures - was organised by the consortium and held on 14th-15th October 2004. Future workshops in this are planned.

1.2 - Summary of work done in this reporting period

The project's workplan has progressed to schedule this period with Workpackage 2 – User requirements specification completed, Workpackages 1, 9 and 10 continued to schedule, and Workpackages 3, 4 and 5 have been continued ahead of schedule.

An updated project Gantt chart is provided in Annex A.

<i>Work Package</i>	<i>Activity status</i>
WP1 Project Management	
T1.2 Operational Project Management and T1.3 Project reporting	Initiated with operation framework put in place and quality plan implemented
WP2 User requirements	

T2.2 Define trust & security	Completed and deliverable D2.3, D2.4 and D2.5 finalised
T2.3 Workflow analysis	Initiated, planned work completed but deliverable D2.6 needs to be verified in light of architecture specs. This will be done during the next reporting period.
WP3 Client side architecture	
T3.1 Software architecture analysis and design	Initial consensus on architecture has been analysed, discussed and documented. User requirements have been impacted on the architecture. Consortium workshop on client-side architectural and security requirements held in October and architecture has been agreed and made consistent with server-side architecture.
T3.3 Research new devices, interactions	Initial research has been completed.
WP4 Server side architecture	
T4.1 Software architecture analysis and design	Initial consensus on architecture has been analysed, discussed and documented. User requirements have been impacted on the architecture. Consortium workshop on server -side architecture held in November and architecture has been agreed and made consistent with client-side architecture. Development environment put in place at TID.
WP5 Communication infrastructure	
T5.1 Set up comms network	Initial infrastructure strategy has been updated in line with WP3 and WP4 deliberations.
WP9 Dissem. & exploitation	
T9.1 Dissemination	AMI workshop held. A first version of DUP has been drafted and the project's dissemination programme continued.
T9.2 Exploitation	Consideration and discussions on business models have been continued
WP10 Review and assessment	
T10.1 On-going project review	Final outcomes assessment of Workpackage 2 has been initiated and the results are being impacted upon the projects continuing activities.

1.3 Summary of work planned for the next reporting period (Dec 2004 to February 2005)

It is anticipated that the work schedule for the next reporting period will progress to plan.

<i>Work Package</i>	<i>Activity status</i>
WP1 Project Management	
T1.2 Operational P.M. and T1.3 Project reporting	On-going throughout next reporting period.
WP3 Client side architecture	
T3.1 Software architecture analysis and design	Will be completed to schedule.
T3.3 Research new device interactions	Will continue during the next period and the outcomes will be impacted upon the final eu-DOMAIN architecture specifications.
WP4 Server side architecture	

T4.1 Software architecture analysis and design	Will be completed to schedule.
WP9 Dissemination & exploitation	
T9.1 Dissemination and T9.2 Exploitation	The project's dissemination and use programme will be further progressed in line with the project's DUP.
WP10 Review and assessment	
T10.1 On-going project review	The outcomes review of Workpackage 2 will be finalised and the results impacted upon the project's activities

1.4 Milestones

The project's target milestones for this reporting period have been attained and are shown below. Cumulative progress against the project's milestones is shown in Annex A.

<i>Milestone</i>	<i>Planned month</i>	<i>Actual month</i>	<i>Comments</i>
M2.2 The comprehensive set of user requirements specifications based on users behaviours and simulated interaction with eu-DOMAIN	6	6	
M9.3 Plan for disseminating and using knowledge.	6	6	

1.5 Deliverables

The scheduled deliverables for this reporting period have been completed and are shown below. Following the completions of the deliverables it has been agreed by the consortium that the D2.6 Workflow analysis and optimisation should be finalised to take account of the final system architecture specifications and this will be done in the next reporting period.

Cumulative progress against the project's deliverables schedule is shown in Annex A.

<i>Deliverable Code & Name</i>	<i>Planned month</i>	<i>Completed month</i>	<i>Comments</i>
D2.3 Functional user requirements specifications	6	6	Delivered with progress report QMR2 for second reporting period
D2.4 Trust and security user requirements specifications	6	6	Delivered with progress report QMR2 for second reporting period
D2.5 Societal user requirements specifications.	6	6	Delivered with progress report QMR2 for second reporting period
D2.6 Workflow procedures and potential for innovation	6		Will be finalised during third reporting period along with D3.1, D4.1 and D4.2.
D9.3 Plan for using and disseminating knowledge (drafts at 6 month intervals)	6 thru 32	6	First version delivered with progress report QMR2 for second reporting period

1.6 Deviations from Plan

<i>Causes and Description</i>	<i>Corrective actions</i>
<p>There are no deviations from plan that affect the projects objectives, timescales or resources at this stage of the project.</p> <p>Deliverable D2.6 Workflow procedures and potential for innovation requires that the eu-DOMAIN architecture is finalised before its finalisation and this deliverable will now be delivered at month 9.</p>	

2 – Contractual Arrangements

<p>Despite the contract having been signed and the project starting in June 2004 the advance payment, expected by mid November 2004 at the latest, has not yet been received. The partners continue to demonstrate their considerable enthusiasm for the project by continuing the project to schedule during this time.</p>
--

3 - Project Meetings/Visits (held and foreseen)

<i>Title</i>	<i>Data and Place</i>	<i>Main conclusions</i>
2 nd Project steering meeting	4 th -5 th October 2004 in Madrid	Agreed: <ul style="list-style-type: none"> • finalisation of user requirements • security approach • strategy and approach adopted for client and server side architectures.
Architecture and security Workshop	28 th and 29 th October 2004 in Aarhus, Denmark	Agreement on components of client-side architecture and security framework
Server-side architecture workshop	25 th November 2004 at CNet in Sweden	Agreement on components of server-side architecture
External Workshop	Darmstadt (Oct 13-15, 2004)	Knowledge about Software AG technologies for semantic integration to be used in eu-Domain
User partner software architecture workshop	December 2004.	
3 rd Project steering meeting	27 th -28 th January 2005 in Crete	

4 - Dissemination / Promotional Information

4.1 Conferences and/or Workshops attended/organised/foreseen by the project

<i>Date</i>	<i>Title</i>	<i>Number of persons attended + other information</i>
14-15 October 2004 Bruxelles,	Workshop on KM and AmI technologies	Held in conjunction with the European Commission and the Knowledge Board. Very successful workshop attended by representatives from the AMI community. Report submitted with this report.
November 15 th -17 th 2004	IST Conference Hague	Clustering with research community - Dissemination of project aims at the IST conference and within AMI work sessions.
Nov 18, 2004	Spanish W3C multimodality seminar	Around 30 people attended. It was a 1-day workshop organized by the Spanish charter of the W3C to promote W3C multimodality technologies. Software AG presented "Multimodality in Software AG", which included eu-Domain.
22 October	Presentation of eu-DOMAIN	Presentation at a National Contact Point information day meeting held in Taastrup, Denmark. Some 65 people participated.
24 November	Presentation of eu-DOMAIN	Presentation at a National Contact Point information day meeting held in Odense, Denmark. Some 25 people participated.

4.2 Articles Published, Press coverage, development web sites, etc.

<i>Date and Type</i>	<i>Details</i>

5 – Main results

<i>Description</i>	<i>Details</i>
eu-DOMAIN user requirements	<p>The definition of the eu-DOMAIN user requirement scenarios has been taken forward and has been represented in a set of security and functional requirements that include:</p> <ul style="list-style-type: none"> • Functional user requirements • Societal user requirements • Trust and security requirements, and • Workflow analysis and optimisation. <p>These are now being used to drive the architectural specifications and subsequent building of the eu-DOMAIN environment.</p>

6 – Project Effort

Project effort for this reporting period in Person-months:
A=Actual effort / P = Plan to date

Contractor	RTD & Innovation Activities																		Management Activities		TOTALS		
	WP 02		WP 03		WP 04		WP 05		WP 06		WP 07		WP 08		WP 09		WP 10		WP 01		A	P	
	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P					
C International (CO)	1.1	1.0													0.5	0.6	0.3	0.3	1.5	1.8	3.4	3.7	
Innova S.p.A.	3.96	2.5																	0.04	0.04	4.0	2.54	
In-JeT ApS	1.2	1.7	0.1	0.1	0.2	0.2									0.2	0.2			0.2	0.2	1.9	2.4	
University of Aarhus	2.1	2.0	1.3	1.6	0.5	0.4													0.1	0.1	4.0	4.1	
Foundation for Research and Technology – Hellas	0.0	3.25																			0.0	3.25	
CNet Svenska AB	1.0	0.0	0.3	0.3	5.1	4.9									0.3	0.2			0.2	0.2	6.9	5.6	
T-connect s.r.l.	0.46	0.0																	0.04	0.04	0.5	0.04	
Software AG Belgium SA					1.73	1.75												0.15	0.15	0.04	0.03	1.92	1.93
Telefónica I+D	1.16	0.0	1.8	1.0	1.7	1.0	1.2	0.0											0.04	0.04	5.9	2.04	
Grundfos Management A/S	1.10	2.02																	0.02	0.02	1.12	2.04	
Eastern Birmingham Primary Care Trust	1.00	2.02																	0.02	0.02	1.02	2.04	
	13.08	14.49	3.5	3.0	9.23	8.25	1.2	0.0							1.0	1.0	.45	.45	2.2	2.49	30.66	29.68	

Cumulative effort
 to date in person-months
 A=Actual effort / P = Plan to date

	RTD & Innovation Activities																		Management Activities		TOTALS	
	WP 02		WP 03		WP 04		WP 05		WP 06		WP 07		WP 08		WP 09		WP10		WP 01			
Contractor	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P
C International (CO)	2.2	2.0													0.8	1.1	0.3	0.3	3.3	3.8	6.6	7.2
Innova S.p.A.	19.88	13.0																	0.12	0.12	20.0	13.12
In-JeT ApS	4.2	5.0	0.1	0.1	0.2	0.2									0.5	0.6			0.5	0.5	5.5	6.4
University of Aarhus	5.25	5.0	1.8	1.6	0.5	0.4													0.15	0.14	7.7	7.14
Foundation for Research and Technology – Hellas	0.5	4.0																			0.5	0.75
CNet Svenska AB	3.6	0.9	0.3	0.3	6.4	4.9									0.6	0.5			0.3	0.3	11.2	6.9
T-connect s.r.l.	0.92	0.0																	0.08	0.08	1.00	0.08
Software AG Belgium SA					2.06	1.75											0.15	0.15	0.07	0.07	2.28	1.97
Telefónica I+D	2.62	0.0	2.1	1.0	1.9	1.0	1.5	0.0											0.08	0.08	8.2	2.08
Grundfos Management A/S	2.38	4.0																	0.04	0.04	2.42	4.04
Eastern Birmingham Primary Care Trust	2.08	4.0																	0.04	0.04	2.12	4.04
	43.63	37.9	4.3	3.0	11.06	8.25	1.5	0.0							1.9	2.2	0.45	0.45	4.68	5.17	67.52	56.97

Annex A

A.1 Cumulative status of Project Milestones

<i>Milestone</i>	<i>Planned month</i>	<i>Actual month</i>	<i>Comments</i>
M1.1 Acceptance of the consortium agreement by all partners.	1	3	
M1.2 PID produced for kick off meeting.	2	1	Project successfully initiated – kick-off meeting 21 st & 22 nd June 2004.
M1.3 Timely issuance of a Quality Manual to be used in all parts of the project and in all project material.	3	3	
M1.4 Timeliness of the planned reviews.	From 5		Expected to be attained to schedule
M1.5 Final project report produced.	36		Expected to be attained to schedule
M2.1 Scenarios identifying key technological, socio-economic and business drivers for future technological development has been established and show no adverse impact on the overall concept of the eu-DOMAIN infrastructure.	3	4	
M2.2 The comprehensive set of user requirements specifications based on users behaviours and simulated interaction infrastructure ensuring its market exploitation and social acceptance	6	6	
M3.1 Software architecture is defined in UML with no major points of conflict with user requirements.	9		Expected to be attained to schedule
M3.2 OSGi framework is operational with testing bundles	18		Expected to be attained to schedule
M3.3 Entire client side infrastructure is operational and can be integrated with the server side structure.	21		Expected to be attained to schedule
M4..1 Software architecture is defined in UML with no major points of conflict with user requirements.	9		Expected to be attained to schedule
M4.2 Entire server side infrastructure is operational and can be integrated with the client side structure.	20		Expected to be attained to schedule
M5.1 System architecture approved.	18		Expected to be attained to schedule
M5.2 Network access approved.	18		Expected to be attained to schedule
M5.3 Entire communication infrastructure is operational and can be integrated with the server and client side structure.	26		Expected to be attained to schedule
M6.1 Successful business cases for each of the two user scenarios.	15		Expected to be attained to schedule
M6.2 Successful organisation of European Awareness Scenario Workshops with at least 15 participants in each event.	21		Expected to be attained to schedule
M7.1 Infrastructure testing successful	28		Expected to be attained to schedule
M7.2 Testing and population of user cases successful	31		Expected to be attained to schedule
M8.1 User acceptance of the two user cases.	35		Expected to be attained to schedule
M8.2 At least two potential new users from different domains have emerged and are planning new tests.	35		Expected to be attained to schedule
M9.1 Project presentation completed.	3	2	
M9.2 Inaugural conference held	2	1	
M9.3 Plan for disseminating and using knowledge.	6	6	
M9.4 Final plan for disseminating and using knowledge	35		Expected to be attained to schedule
M10.1 Draft evaluation updated at completion of each workpackage.			Expected to be attained to schedule
M10.2 Project fully evaluated	36		Expected to be attained to schedule

A.2 Cumulative status of Project Deliverables

<i>Deliverable Code & Name</i>	<i>Planned month</i>	<i>Completed month</i>	<i>Comments</i>
D1.1 Project Quality Plan	1	3	Delivered with progress report QMR1 for first reporting period
D1.2 Periodic activity, management and financial reports	12+24+36		Expected to be delivered to schedule
D1.3 Quarterly progress reports for the commission	3 thru 33		Expected to be delivered to schedule
D1.4 Final project report - activity, management and financial (draft & final versions)	35 & 36		Expected to be delivered to schedule
D2.1 User validation framework plan	3	4	Delivered with progress report QMR1 for first reporting period
D2.2 State of the Art analysis	4	4	Delivered with progress report QMR1 for first reporting period
D2.3 Functional user requirements specifications	6	6	Delivered with progress report QMR2 for second reporting period
D2.4 Trust and security user requirements specifications	6	6	Delivered with progress report QMR2 for second reporting period
D2.5 Societal user requirements specifications.	6	6	Delivered with progress report QMR2 for second reporting period
D2.6 Workflow procedures and potential for innovation	6		Will be finalised during third reporting period along with D3.1, D4.1 and D4.2.
D3.1 Client side architecture specification	9		Expected to be delivered to schedule
D3.2 Gateway OSGi framework and device communication	18		Expected to be delivered to schedule
D3.3 Design guides and navigation for device interaction	21		Expected to be delivered to schedule
D4.1 Server side architecture specification	9		Expected to be delivered to schedule
D4.2 Design Guidelines for user interfaces	9		Expected to be delivered to schedule
D4.3 Network intelligence, database and user interfaces	20		Expected to be delivered to schedule
D4.4 Application intelligence and web service provisioning	22		Expected to be delivered to schedule
D5.1 Communication architecture description	21		Expected to be delivered to schedule
D5.2 Prototype of communication infrastructure	26		Expected to be delivered to schedule
D6.1 Proposed business models and business cases	15		Expected to be delivered to schedule
D6.2 Organised European Awareness Scenario Workshops	22		Expected to be delivered to schedule
D6.3 Public reports from the EASW Workshops	22		Expected to be delivered to schedule
D6.4 Validated business models and business cases	22		Expected to be delivered to schedule
D7.1 Test report of prototype platform	31		Expected to be delivered to schedule

D7.2	Testing platform for validation	31		Expected to be delivered to schedule
D7.3	User validation plan for eu-DOMAIN	31		Expected to be delivered to schedule
D8.1	Validation report: The European Service Network	35		Expected to be delivered to schedule
D8.2	Validation report: Healthcare for tomorrow	35		Expected to be delivered to schedule
D8.3	Evaluated platform for take-up activities	35		Expected to be delivered to schedule
D8.4	Take-up guideline and technology watch report	35		Expected to be delivered to schedule
D9.1	Project presentation	2	3	Delivered with progress report for first reporting period
D9.2	Project website	2	2	www.eu-domain.eu.com
D9.3	Plan for using and disseminating knowledge (drafts at 6 month intervals)	6 thru 32		First version delivered with progress report QMR2 for second reporting period Further version expected to be delivered to schedule
D9.4	Final plan for using and disseminating knowledge	35		Expected to be delivered to schedule
D9.5	Raising public awareness report	35		Expected to be delivered to schedule
D9.6	Exploitation plans (Draft and final)	16 and 34		Expected to be delivered to schedule
D10.1	Evaluation & assessment report	12+24+35		Expected to be delivered to schedule

