

Sub-Contract No.UNIFE- DTM/B951599105

Sub-Contract No.UNIFE- DTM/B951599105

Ref.

ESA Contract No. 4000149943/25/NL/MM/aka

with

DTM Srl

PREPARATION OF ENABLING SPACE TECHNOLOGIES AND BUILDING BLOCKS

Outstanding TEchnologies for gamma-ray Laue Lens Optics (OTELLO)

Between:

University of Ferrara -Dept. of Physics and Earth Sciences, VAT: 00434690384 (hereinafter called "Customer" or "Unife" or "DFST"), whose registered office is at: Via Ariosto 35, 44121 Ferrara, Italy, represented by Professor Paolo Natoli, Director of Department of Physics and Earth Sciences, University of Ferrara

of the one part,

and: DTM Srl VAT: 02752410361 (hereinafter called the "Contractor" or "DTM"), whose registered office is at: Via Tacito, 65 41123, Modena, Italy represented by Davide Santachiara it's Legal Representative

of the other part,

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PREAMBLE

Whereas:

- The present activity is part of the Framework “Preparation of Enabling Space Technologies and Building Blocks” under the European Space Agency’s General Support Technology Programme (GSTP);
- The objective of the activities under the named Framework is to prepare and to develop enabling capabilities and the associated building blocks for space related systems and the associated sub-systems, and at the same time to allow the targeted and coordinated development of the capabilities and building blocks (i.e., among academia and industry) in a given ESA Participating State or across different ESA Participating States (in a collaborative manner);
- The intended output of the activities under the named Framework is to provide industry with a stronger foundation in order to contribute to new space related system opportunities at national or international levels;

The Parties have now agreed to execute the work at the specific conditions set forth hereafter:

ARTICLE 1 - SUBJECT OF THE CONTRACT – APPLICABLE DOCUMENTS

1.1 Subject of the Contract

The Contractor undertakes to perform the activity Outstanding TEchnologies for gamma-ray Laue Lens Optics (OTELLO), that is part of the Framework “Preparation of Enabling Space Technologies and Building Blocks” of the European Space Agency (ESA, hereafter called Agency) to deliver the hardware and documentation as described herein, and to make an oral presentation of the results. The Contractor activities will be performed under the scientific responsibility of Eng. Luca Recanatesi (DTM).

1.2 Applicable Documents

The work shall be performed in accordance with the following documents, listed in order of precedence, in case of conflict:

- a) The Articles of this Contract with its Appendix 1 (Payment Plan and Advance Payment(s) and other Financial Conditions);
- b) All requirements, clauses and conditions described in the main ESA contract No. 4000149943/25/NL/MM/aka with University of Ferrara (hereafter called Main Contract);
- c) The signed Minutes of the negotiation meeting with ESA held on 05 June 2025, reference 2025_06_13 OTELLO_Negotiation meeting MoM_Addressed_Actions, not attached hereto but known to both Parties; and
- d) The “OTELLO” proposal submitted to ESA, reference IDEA: I-2024-11346, dated 31 March 2025, not attached hereto but known to both Parties.

ARTICLE 2 – DELIVERY

2.1. Place and Dates of Delivery

2.1.1 Documents

The Contractor shall, during the performance of this Contract, deliver all documentation and reports specified in Appendix 2, in an electronic file. These shall be sent to Unife's Technical Officer mentioned in Article 5, Clause 5, Sub-Clause 5.1 a) of the Main Contract, unless otherwise specified, in accordance with the following specific provisions:

- All documents resulting from each WP shall be delivered at respective WP completion. In addition, a Technical Data Package, including all approved documents, shall be delivered in electronic searchable, indexed and not encrypted PDF and native (WORD) format file to DFST's Technical Officer specified in Article 5, Clause 5, Sub-Clause 5.1 a) of the Contract.
- The draft version of the Final Report shall be submitted for approval, in electronic searchable, indexed and not encrypted PDF and native (WORD) format, to the DFST's Technical Officer specified in Article 5, Clause 5, Sub-Clause 5.1 a) of the Contract, not later than 11/09/2027.
- The finalised version thereof shall be issued in electronic searchable, indexed and not encrypted PDF and native (WORD) format not later than four (4) weeks after the Agency's approval of the draft versions and shall be sent by email to: the DFST's Technical Officer specified in Article 5, Clause 5, Sub-Clause 5.1
- At the same time as delivery of the final documents, the Technology Achievement Summary, shall be delivered by email in an electronic searchable, indexed and not encrypted PDF and native (WORD) format to the DFST's Technical Officer specified in Article 5, Clause 5, Sub-Clause 5.1 a) of the Contract.

2.1.2 Contract Closure Documentation

The Contract Closure Documentation shall be delivered in one (1) set of documentation each, to the Customer's authorised representatives not later than the time of submitting the invoice(s) for the Final Settlement (see also Article 3.2.2)

ARTICLE 3 - PRICE & PAYMENT

3.1 Price

The price of this Contract amounts to: 87,300 EUR (eighty-seven thousand three hundred Euro),

The type of price has to satisfy all the conditions of the price reported in the section 1 of the article 3 of the Main Contract.

3.2 Payment

Following the Main Contract, the following general provisions apply.

3.2.1 General provisions

The Payment Plan and Advance Payment(s) off-setting conditions applicable to this Contract are specified in Appendix 1 hereto.

The Advance Payment constitutes a debt of the Contractor to Unife until it has been set-off against subsequent milestone(s) as shown in Appendix 1 hereto.

In the event that the achievement of a milestone is delayed but the milestone is partially met at the milestone planning date foreseen, the DFST, upon authorization by the Agency, may, as an exception, effect a payment against an approved confirmation of the partially achieved milestone, not exceeding the value of the work performed at the date of payment.

When releasing the payment for a given milestone, if applicable, the DFST's payment shall be made after due deduction of the corresponding off-set of the Advance Payment(s) as per the conditions of Appendix 1 to the Contract (Payment Plan and Advance Payment(s) and other Financial Conditions).

In case of partial payment, the DFST shall deduct from the corresponding invoice(s) relative to the same milestone any outstanding amount of the Advance Payment(s) still to be off-set.

Payments from the DFST to the Contractor shall be made within 30 calendar days of submission of the required document and fulfilment of the requirements as specified below. Contractor's invoice will be required only after the receipt by the Customer of the corresponding payments from ESA, whichever the later.

Payments shall be made by the DFST in Euro to the account specified by the Contractor. Such account information shall clearly indicate the IBAN (International Bank Account Number) and BIC/SWIFT (Bank Identification Code). The Parties agree that payments shall be considered as effected by the Customer on time if the Customer's orders of payment reach the Customer's bank within the payment period stipulated in the paragraph above.

Any special charges related to the execution of payments will be borne by the Contractor.

If applicable, invoices shall separately show all due taxes or duties.

Invoices submitted by the Contractor, which are free of VAT due to the applicable national law, shall make reference to the relevant piece of national legislation as shown below:

- Law Nr. 358 of 9/6/1977 – Gazzetta Ufficiale Numero 184 of 7/7/1977.

Requirements for Advance Payment Requests (APR) and invoices being regarded as due follow those specified in the corresponding section of the Main Contract. In particular:

Advance Payment: APR: to be submitted after signature of this Contract by both Parties after Unife received the corresponding sum by ESA.

Progress Payment(s):

- Milestone Achievement Confirmation hereinafter referred to as "confirmation" with supporting documentation attached sent to the DFST's representatives. The supporting documentation shall justify the actual achievement of the milestone(s) as defined in the Payment Plan specified in Appendix 1 hereto;

- Invoice(s) after authorization from Unife

Final Settlement:

- Confirmation by the Customer and the Agency of the actual achievement of the milestones as defined on the Payment Plan Specified in Appendix 1 hereto;
- Invoice(s);
- Receipt and/or acceptance, by the Customer and the Agency, of all deliverable items, of the services to be rendered and other obligations to be fulfilled, in accordance with the terms of this Contract;
- The Contract Closure Documentation

ARTICLE 4 - MANAGEMENT AND CONTROL OF INVENTORY ITEMS/FIXED ASSETS UNDER THE CONTRACT

Concerning the provisions to be applied to any items other than those items which fall within the scope of Article 2 of the Contract, see Article 4 of the Main Contract.

ARTICLE 5 - COMPLEMENTS AND AMENDMENTS TO THE GCC

The General Clauses and Conditions (GCC) plus complements and amendments that apply to this contract are those listed corresponding article 5 of the Main Contract, with the following specifications:

CLAUSE 2: APPROVAL AND ENTRY INTO FORCE

For the purpose of this Contract, the authorised representative is Prof. Paolo Natoli, director of the DFST.

CLAUSE 4: ORIGINALS OF THE CONTRACTS

The following provision is added to Clause 4 of the GCC:

The Parties agree that electronic signature(s) of this Contract shall have the same force and effect as hand-signed originals and shall be binding on both Parties to this Contract.

CLAUSE 5: THE PARTIES' REPRESENTATIVES

Sub-Clause 5.1: The DFST's Representatives

The DFST's representatives are:

- a) Mr Andrea Mazzolari for technical matters or a person duly authorised by him (the "Technical Officer").
All correspondence for technical matters shall be addressed as follows:

	To:	With copy to:
Name	Andrea Mazzolari	Filippo Frontera +39 0532 974254 filippo.frontera@unife.it - DFST,
Telephone No.	+39 0532 974319	University of Ferrara, Via G. Saragat

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Email Address	andrea.mazzolari@unife.it	1, 44121 Ferrara, Italy
Mail Address	Dept. Physics and Earth Sciences University of Ferrara, Via Ariosto 35, 44121 Ferrara, Italy	

- b) Ms Chiara Zagato for contractual and administrative matters or a person duly authorised by her (the “Contracts Officer”).

All correspondence for contractual and administrative matters shall be addressed as follows:

	To:	With copy to:
Name	Chiara Zagato	Piero Rosati
Telephone No.	+39 0532 974292	+39 0532 974220
Email Address	chiara.zagato@unife.it	piero.rosati1@unife.it
Mail Address	Dept. Physics and Earth Sciences University of Ferrara, Via G. Saragat 1, 44122 Ferrara, Italy	DFST, University of Ferrara, Via G. Saragat 1, 44121 Ferrara, Italy

- c) Personal Data Protection matters shall be addressed to the Data Protection contact point as follows:

	To:	
Name	Ufficio Privacy	DPO – Lepida S.p.a.
Telephone No.	+39 0532 293555	+39 051 6338844
Email Address	privacy@unife.it	dpo-team@lepidait segreteria@pec.lepidait
Mail Address	University of Ferrara, Via Ariosto 35, 44121 Ferrara, Italy	Lepida S.p.a. Via della Liberazione 15, 40128 Bologna (BO), Italy

Sub-Clause 5.2: The Contractor’s Representatives (DTM)

The Contractor’s representatives are:

- a) Luca Recanatesi for technical matters or a person duly authorised by him (the “Technical Officer”).

All correspondence for technical matters shall be addressed as follows:

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	To:	With copy to:
Name	Luca Recanatesi	Davide Santachiara
Telephone No.	+39 059 847337	
Email Address	lrecanatesi@dtm.it	
Mail Address	DTM srl, Via Tacito 65, 41123 Modena	

- b) Davide Santachiara for contractual and administrative matters or a person duly authorised by her (the “Contracts Officer”). All correspondence for contractual and administrative matters shall be addressed as follows:

	To:	With copy to:
Name	Davide Santachiara	Luca Recanatesi
Telephone No.	+39 059 847337	
Email Address	dsantachiara@dtm.it	
Mail Address	DTM srl, Via Tacito 65, 41123 Modena	

- c) Personal Data Protection matters shall be addressed to the Data Protection contact point as follows:

	To:	
Name	Davide Santachiara	
Telephone No.	+39 059 847337	
Email Address	dsantachiara@dtm.it	
Mail Address	DTM srl, Via Tacito 65, 41123 Modena	

CLAUSE 6: PUBLICITY RELATING TO CONTRACTS

The link to the ESA logo in this clause is replaced with the following link: <https://brand.esa.int/logo> .

For the clauses and conditions from 8 to 12 to be satisfied, see the Main Contract.

CLAUSE 13: CHANGES

The template of a Contract Change Notice (CCN) is attached hereto as Appendix 3.

Any Change Request submitted to the Customer shall be addressed to the Customers's Contracts Officer mentioned in Article 5, Clause 5, Sub-Clause 5.1 b) of the Contract.

For the clauses and conditions from 14 to 27 to be satisfied, see the Main Contract.

CLAUSE 34: APPLICABLE LAW

The substantive law referred to in Clause 34 of the GCC is the law of Italy. The scope of its applicability is as laid down in the said Clause of the GCC.

CLAUSE 35: DISPUTE RESOLUTION

The arbitration proceedings referred to in Clause 35 of the GCC shall take place in Ferrara, Italy.

PART II: CONDITIONS CONCERNING INTELLECTUAL PROPERTY RIGHTS FOR ESA STUDY, RESEARCH AND DEVELOPMENT CONTRACTS

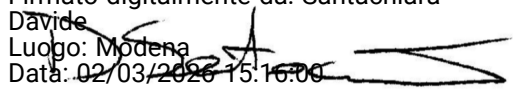
For these conditions see the corresponding Part II of the Main Contract.

Electronically signed by the Parties to this Contract,

For the Dept. of Physics and Earth Sciences
Prof. Paolo Natoli
(digitally signed)

For DTM Srl
Ing. Davide Santachiara
(digitally signed)

Firmato digitalmente da: Santachiara
Davide
Luogo: Modena
Data: 02/03/2020 15:16:00



SPECIFIC APPROVAL

The Contractor certifies its explicit approval of the following Clauses of the General Clauses and Conditions for ESA Contracts, ESA/REG/002., rev. 4:

Clause 7: Transfer of the Contract

Clause 10: Subcontracts

Clause 18: Damage to Staff and Goods

Clause 19: Liability for consequential Damages during the Execution of the Contract

Clause 20: Liability after Acceptance

Clause 24: Disclosure and Use of Classified Information by the Contractor

Clause 25: Infringements of the Law

Clause 26: Infringements of Third Party Rights

Clause 30: Termination - General Rule

Clause 32: Termination with Fault of the Contractor

Clause 33: Termination in Special Case

For the Dept. of Physics and Earth Sciences

Prof. Paolo Natoli

(digitally signed)

For DTM Srl

Ing. Davide Santachiara

(digitally signed)

Firmato digitalmente da: Santachiara

Davide

Luogo: Modena

Data: 02/03/2025 15:16:00

APPENDIX 1: PAYMENT PLAN AND ADVANCE PAYMENT(S) AND OTHER FINANCIAL CONDITIONS

Milestone (MS) Description	Schedule Date	Payments from DFST to Contractor (in Euro)	Country (ISO code)
Progress (MS 1): Contribution to the main Contractor (DFST) for the successful Intermediate Review 1 (IR1) as defined in the Applicable Documents of the Main Contract (Article 1.2) and the Agency's acceptance of all related deliverables including evidence of the signature of the subcontracts	11 April 2026	13,092	IT
Progress (MS 2): Contribution to Contractor for the successful completion of Intermediate Review 2 (IR2) as defined in the Applicable Documents of this Contract (Article 1.2) and the Agency's acceptance of all related deliverables	11 October 2026	29,683	
Progress (MS 3): successful completion of Work Packages 6.1 and 6.3, successful Test Readiness Review as defined in the Applicable Documents of this Contract (Article 1.2) and the Agency's acceptance of all related deliverables	11 June 2027	31,429	
Final Settlement (MS 4): Upon the Agency's acceptance of all deliverable items due under the Main Contract and the Main Contractor's fulfilment of all other contractual obligations including digital submission of the Contract Closure Documentation	11 November 2027	13,096	
TOTAL:		87,300	

Distribution by the Contractor of ESA's Advance Payments between the Contractor and the Subcontractor(s):

Amounts in Euro for Subcontractor							
(P)/ (SI)	Company Name	ESA Entity Code	Country (ISO code)	Advance Payment (in Euro)	Offset against	Offset by Euro	Condition for release of the Advance Payment
SI	DTM Srl	1000006693	IT	30,554	MS 1 MS 2 MS 3	4,362 12,222 13,970	Upon signature of the Contract by both Parties

APPENDIX 2: REQUIREMENTS FOR MANAGEMENT, REPORTING, MEETINGS AND DELIVERABLES

This document contains the standard requirements for Management, Reporting, Meetings and Deliverables applicable to the present Contract.

MANAGEMENT

General

The Contractor shall implement effective and economical management for the Project. Its nominated Project Manager shall be responsible for the management and execution of the work to be performed and, in the case of an industrial team, for the coordination and control of the industrial team's work.

Access

- a) During the Contract, DFST shall be afforded free access to any plan, procedure, specification or other documentation relevant to the programme of work. Areas and equipment used during the development/testing activities associated with the Contract shall also be available for inspection and audit.
- b) The Contractor shall notify DFST at least three (3) weeks before the start of any test programme, or as mutually agreed, to enable DFST to select those tests that it wishes to witness. DFST shall notify the Contractor of its visit at least one (1) week in advance.

REPORTING

Minutes of Meeting

- a) DTM will support DSFT for the review of the minutes of the meetings (see ESA document ECSS-M-ST-10C, rev. 1, section 5.2.2 for more details) held in connection with the Contract.
- b) The minutes shall clearly identify all agreements made and actions accepted at the meeting together with an update of the Action Item List (AIL) and the Document List. The minutes shall be signed.

NOTE: This clause may be restricted to progress meetings if specifically expressed

Bar-Chart Schedule

- a) The Contractor shall be responsible for maintaining the bar-chart for work carried out under the Contract, as agreed with DFST.
- b) The Contractor shall present an up-to-date chart for review at all consequent meetings, indicating the current status of the Contract activity (WPs completed, documents delivered, etc.).
- c) Modifications of the schedule shall be contractually binding only if approved in writing by the DFST's representative for contractual and administrative matters.

Progress Reports

Every month, the Contractor shall provide inputs to DSFT for the preparation of the Progress Report, covering the activities carried out by DTM under the Contract. This report shall refer to the current activities shown on the latest issued bar-chart and shall give:

- a.1 action items completed during the reporting period;
- a.2 a status report on all long lead or critical delivery items;
- a.3 a description of progress: actual vs. schedule, milestones and events accomplished;

- a.4 reasons for slippages and/or problem areas, if any, and corrective actions planned and/or taken, with revised completion date per activity;
- a.5 events anticipated during the next reporting period (e.g., milestones reached);
- a.6 milestone payment status

Inventory/Fixed Asset Record

The Contractor shall provide the Inventory/Fixed Asset Record yearly (in the month of October).

The final version shall be provided together with the digital Contract Closure Documentation.

Problem Notification

The Contractor shall notify the DFST Project Manager of any problem likely to have a major effect on the time schedule of the work or to significantly impact the scope of the work to be performed

Technical Documentation

- a) As they become available and not later than the dates indicated in the delivery plan, the Contractor shall submit, for the DFST's approval, technical notes, engineering drawings, manufacturing plans, test plans, test procedures, specifications and WP reports.
- b) Technical documentation to be discussed at a meeting with DFST shall be submitted two (2) weeks prior to the meeting.
- c) Tests carried out under the Contract shall be performed according to test plans and test procedures approved by the DFST Project Scientist.

MEETINGS

- a) Progress meetings shall be held at approximately two (2)- to three (3)-monthly intervals via video- or teleconference.
- b) Additional meetings may be requested either by DFST the Agency or the Contractor.
- c) For each meeting, the Contractor shall propose an agenda in electronic form and shall compile and distribute hand-outs of any presentation given at the meeting.

DELIVERABLES

Documentation

- a) In addition to the review of the minutes of the meetings and inputs to the progress reports to be delivered according to the section here above, the final documentation concerning WP 6.1:
 - Design of test equipment and of the control software to be used in LARIX-T, to support crystal modules and align them during the focusing test (DTM), according to the DFST requirements.
 - The user manual for the equipment management and lens module testing.
- b) The Contractor will also contribute to the preparation of all documents requested by the Agency for the intermediate and final reviews, as reported in the Table below, and will attend to the final review meeting. Documents or inputs prepared by the contractor will refer to the deliverable documentation specified in section 1.3.1.1 of Appendix 3 to proposal IDEA I-2024-11346.
- c) The draft version of the documentation shall be sent to the OTELLO Project Manager in electronic format not later than two (2) weeks before the documentation is to be presented. The final version shall be provided in a number of copies and format specified in the table below.

- d) All documents shall bear the appropriate copyright notice. In all cases, this shall include the ESA activity name, ESA Contract number and DFST contract number, deliverable number, date, status (draft), version and/or revision number. The information shall be repeated consistently in the header or footer of every page

Doc ID	Title	Milestone	No. of copies/format to be delivered to	e-copy to DMS (*)
(*) DMS (Data Management System) address: tecdms@esa.int . Please note that all finalised (i.e., reviewed and approved by ESA in their final version) documents resulting from a technology Contract shall be electronically sent by the Contractor to D/TEC's Data Management System (DMS) using the e-mail address tecdms@esa.int . This applies not only to the final documentation such as the Final Report or Summary Report but to all approved output documents (TNs, Progress Reports, etc.). (**) See definition below the table.				
TN1	All the specifications to start procurement of materials and components	Intermediate Review 1 (MS1)	Electronic searchable, indexed and not encrypted PDF native (WORD) file to be delivered by DFST to the ESA Technical Officer.	no
TN2	Final achieved features of the crystal tiles to be bent and bonded and of the flat substrates	Intermediate Review 2 (MS2)	Electronic searchable, indexed and not encrypted PDF native (WORD) file to be delivered by DFST to the ESA Technical Officer.	no
TN3	FEM model results	Intermediate Review 2 (MS2)	Electronic searchable, indexed and not encrypted PDF and native (WORD) file to be delivered by DFST to the ESA Technical Officer.	no

TN4	Test results of the customised bonding machine and bonding procedure.	Intermediate Review 2 (MS2)	Electronic searchable, indexed and not encrypted PDF and native (WORD) file to be delivered by DFST to the ESA Technical Officer.	no
TN5	Description of the final bent crystal modules before and after digging process	Test Readiness Review (MS3)	Electronic searchable, indexed and not encrypted PDF and native (WORD) file to be delivered by DFST to the ESA Technical Officer.	no
TN6	Focusing test equipment description	Test Readiness Review (MS3)	Electronic searchable, indexed and not encrypted PDF and native (WORD) file to be delivered by DFST to the ESA Technical Officer.	no
Photo	High Resolution Pictures	Final Review	Electronic file (> 1000x1000 pixels) in a format suitable for electronic processing (e.g., JPG) to be delivered by DFST to the ESA Technical Officer.	yes
TDP	Technical Data Package (**)	Final Review	Electronic searchable, indexed and not encrypted PDF and native (WORD) file to be delivered by DFST to the ESA Technical Officer.	yes
TAS	Technology Achievement Summary (**)	Final Review	Electronic file using the Technology Achievement Template to be delivered by DFST to the ESA Technical Officer.	no
			Electronic searchable, indexed and not encrypted PDF and native (WORD) file to be delivered by DFST to the ESA Technical Officer	

ESR	Executive Summary Report (**)	Final Review	and Contracts Officer. In addition to the above, one (1) electronic searchable, indexed and not encrypted PDF and native (WORD) file to be sent by DFST to the ESA Information and Documentation Centre – ESTEC Library (email: esa.ids@esa.int).	yes
FR	Final Report (**)	Final Review	Electronic searchable, indexed and not encrypted PDF and native (WORD) file to be delivered by DFST to the ESA Technical Officer and Contracts Officer. In addition to the above, one (1) electronic searchable, indexed and not encrypted PDF and native (WORD) file shall be sent to the ESA Information and Documentation Centre – ESTEC Library (email: esa.ids@esa.int).	yes
CCD	Contract Closure Documentation (**)	Final Review	Digitally submitted by DFST in esa-star (http://esastar-ccd.sso.esa.int)	yes

****Definition of Deliverable Documents**

- **TDP TECHNICAL DATA PACKAGE**
The Technical Data Package consists of the final versions of all approved technical documents delivered during the execution of the activity.
- **ESR EXECUTIVE SUMMARY REPORT**
The Executive Summary Report shall concisely summarise the findings of the Contract. It shall be suitable for non-experts in the field and should also be appropriate for publication. For this reason, it shall not exceed 5 pages of text and 10 pages in total (1500 to 3000 words)
- **FR FINAL REPORT**
The Final Report shall not contain any BIPR and shall provide a complete description of all the work done during the study and shall be self-standing, not requiring to be read in conjunction with reports previously issued. It shall cover the whole scope of the study, i.e., a comprehensive introduction of the context, a description of the programme of work and report on the activities performed and the main results achieved.

Final report shall contain a chapter dedicated to commercial/application evaluation of the product/technology developed in the frame of the “Building Blocks” activity.

The Final Report is a mandatory deliverable, due upon completion of the work performed under the Contract. For the avoidance of doubt, “completion of the work performed under the Contract” shall mean the finalisation of a series of tasks as defined in the Applicable Documents under Article 1.2.

- **CCD CONTRACT CLOSURE DOCUMENTATION**

The Contract Closure Documentation is a mandatory deliverable, due at the end of the contract. The contents of the Contract Closure Documentation shall conform to the layout provided in esa-star (<http://esastar-ccd.sso.esa.int>).

- **TAS TECHNOLOGY ACHIEVEMENT SUMMARY**

The Technology Achievement Summary shall be prepared using the Technology Achievement Template that can be found using the following link:

https://www.esa.int/Enabling_Support/Space_Engineering_Technology/Shaping_the_Future/Downloads

Other Deliverables

DTM will provide the hardware/software as specified in the relevant task of WP 6.1

- Procurement and manufacturing of the designed equipment to be used during focusing test on single and both built modules, according to the requirements given by DFST.
- Development of basic control software for the above-mentioned test equipment, as needed.

APPENDIX 3: CONTRACT CHANGE NOTICE

For submission of a change as per Clause 13 of the General Conditions, the Contractor shall submit its proposal in the format of a CCN using the cover page included below. The form shall be filled with the following information as a minimum:

- The Contractor's name and the DFST Contract number;
- The title of the area affected by the change (Work Package reference, new work, etc.);
- The name of the initiator of the change (Contractor or DFST);
- The description of the change (including Work Package Descriptions, WBS, etc.);
- The reason for the change;
- The price breakdown in Euro (€), if any (breakdown by company, Phase, etc. including PSS A2 and PSS A8 Forms);
- The Milestone Payment Plan for the CCN, if any;
- Effect on other Contract provisions;
- Start of work - end of work (including contractual delivery dates and overall planning, milestones, etc.);
- A CCN Form, as per the format below, signed by the Contractor's representatives.

The Contractor shall, on request of DFST, provide additional documentary evidence. At the request of either Party, the proposed change may be discussed at a Change Review Board, consisting of both the Contracts Officer and the Technical Officer of each Party

	DIRECTORATE:	Contractor: DTM SRL
		Sub-Contract No.UNIFE-DTM/B951599105
CONTRACT CHANGE NOTICE No.		DATE:
TITLE OF AREA AFFECTED (WORK PACKAGE ETC):		WP REF:
		INITIATOR OF CHANGE:
DESCRIPTION OF CHANGE		

REASON FOR CHANGE	
PRICE BREAKDOWN (Currency)/PRICE-LEVEL	
EFFECT ON OTHER CONTRACT PROVISIONS	START OF WORK
	END OF WORK
CONTRACTOR'S PROJECT MANAGER: DATE:	CONTRACTOR'S CONTRACTS OFFICER: DATE:
[DISPOSITION RECORD OR OTHER AGREED CONDITION RECORDED WITH THE CCN APPROVAL]	
DFST TECHNICAL OFFICER: DATE:	DFST CONTRACTS OFFICER: DATE: