



PRODEX OFFICE

Noordwijk, 29 May 2019

[Redacted]  
Institute of Atmospheric Physics  
Academy of Science of the Czech Republic  
Bocní II 1401, 141 31  
Praha 4  
Czech Republic

**Exchange of Letters - PRODEX Experiment Arrangement.**

Dear Sir,

With reference to the Institute Agreement signed by ESA on 7 October 2010 and by the Institute on 13 October 2010 we hereby send you the conditions of the PRODEX Experiment Arrangement between ESA and your Institute:

Institute of Atmospheric Physics  
Phone: [Redacted]  
Email: [Redacted]

related to C4000127530 "Development and realization of the Long-wavelength Electromagnetic Radiation Analyzer for the Luna-Resurs Orbital mission". The ESA representative for all administrative and contractual matters is Ms V. Dowson, and for all technical/scientific matters it is Mr. A. Deep.

The total price of the present arrangement amounts to € 521,400. All invoices should mention the European standard "IBAN" and "BIC" as bank account identifiers; failing to do so will block the settlement of the payment.

The term of the project shall be the time period 1 September 2019 through 31 December 2023.

I would appreciate if you could sign and approve the present letters and return one original to me at your earliest convenience.

I am looking forward to a fruitful co-operation,

Sincerely Yours,

M. Lazerges  
Head of the PRODEX Office

3 June 2019

Received, accepted and signed by Institute:

Place / date:

Praha / 13.6.2019

Zbyněk Sokol  
Director of the IAP



ARTICLE 2: FUNDS

1. [REDACTED]

ARTICLE 3: TERM OF THE PROJECT

1. [REDACTED]

ARTICLE 4: OTHER CONDITIONS

"General Conditions" and in Appendix 4 shall apply with the amendments at [REDACTED]

CLAUSE 2: APPROVAL AND ENTRY INTO FORCE

[REDACTED]

CLAUSE 5: PARTIES REPRESENTATIVES

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

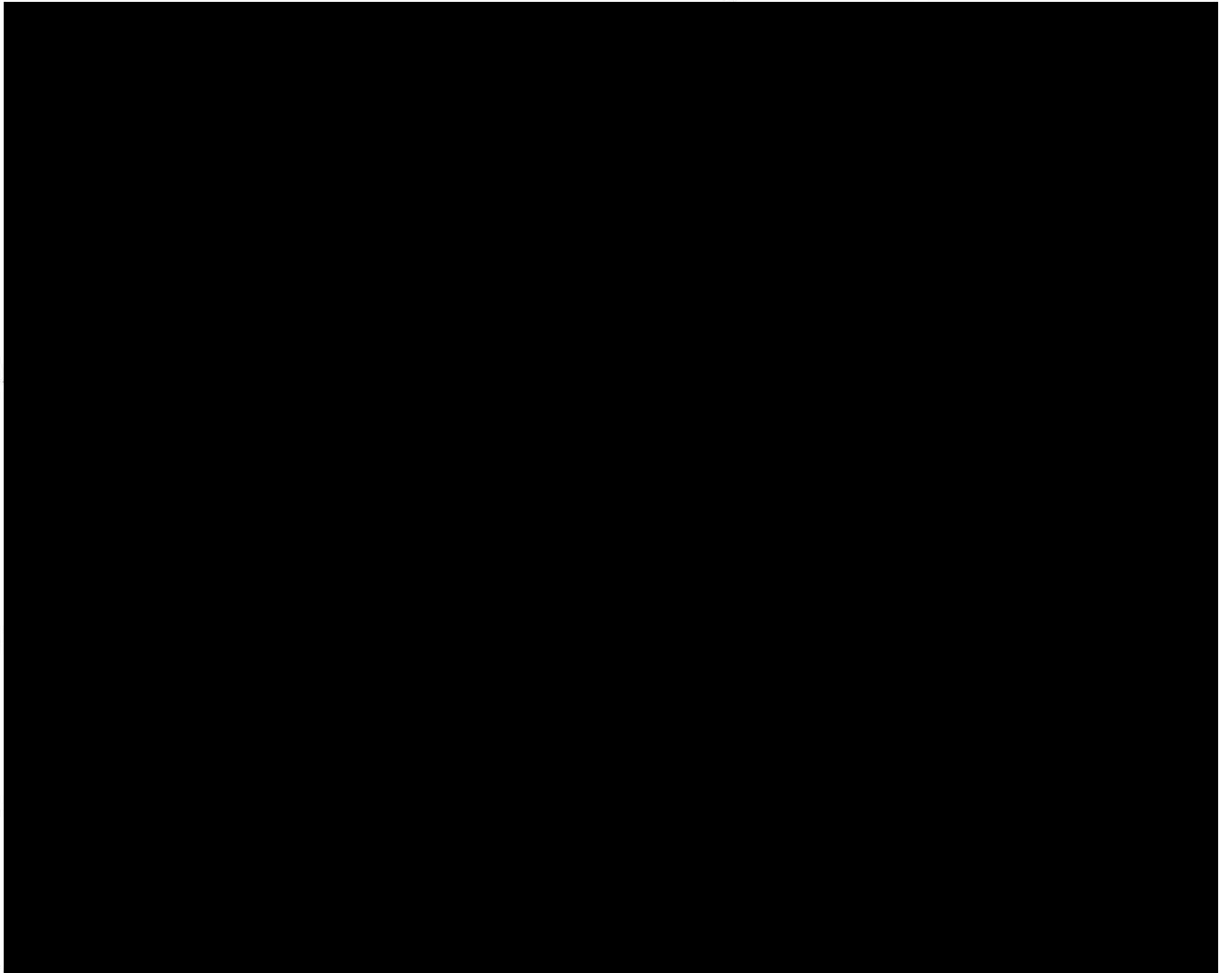
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED] duties, etc.



**PRODEX Experiment Arrangement**  
**Guideline for the preparation of its Appendices 1 (Work Description) and 2 (Financial Plan)**

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

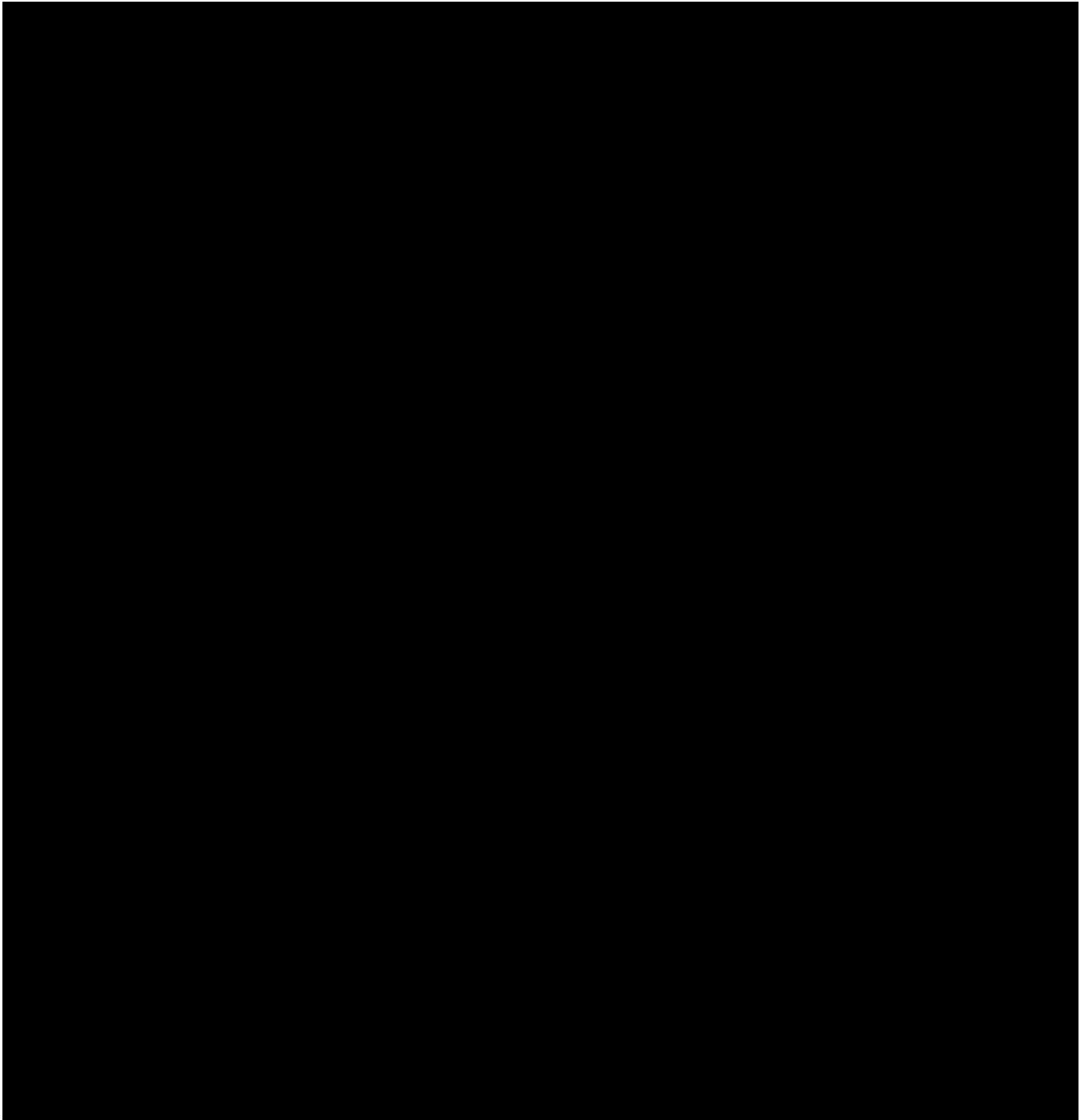
[REDACTED]

[REDACTED]

Title of the activity:

**Long-wavelength Electromagnetic Radiation Analyzer  
for the Luna-Resurs Orbital mission (Phases B/C/D)**

**1. Overview**





Fi



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

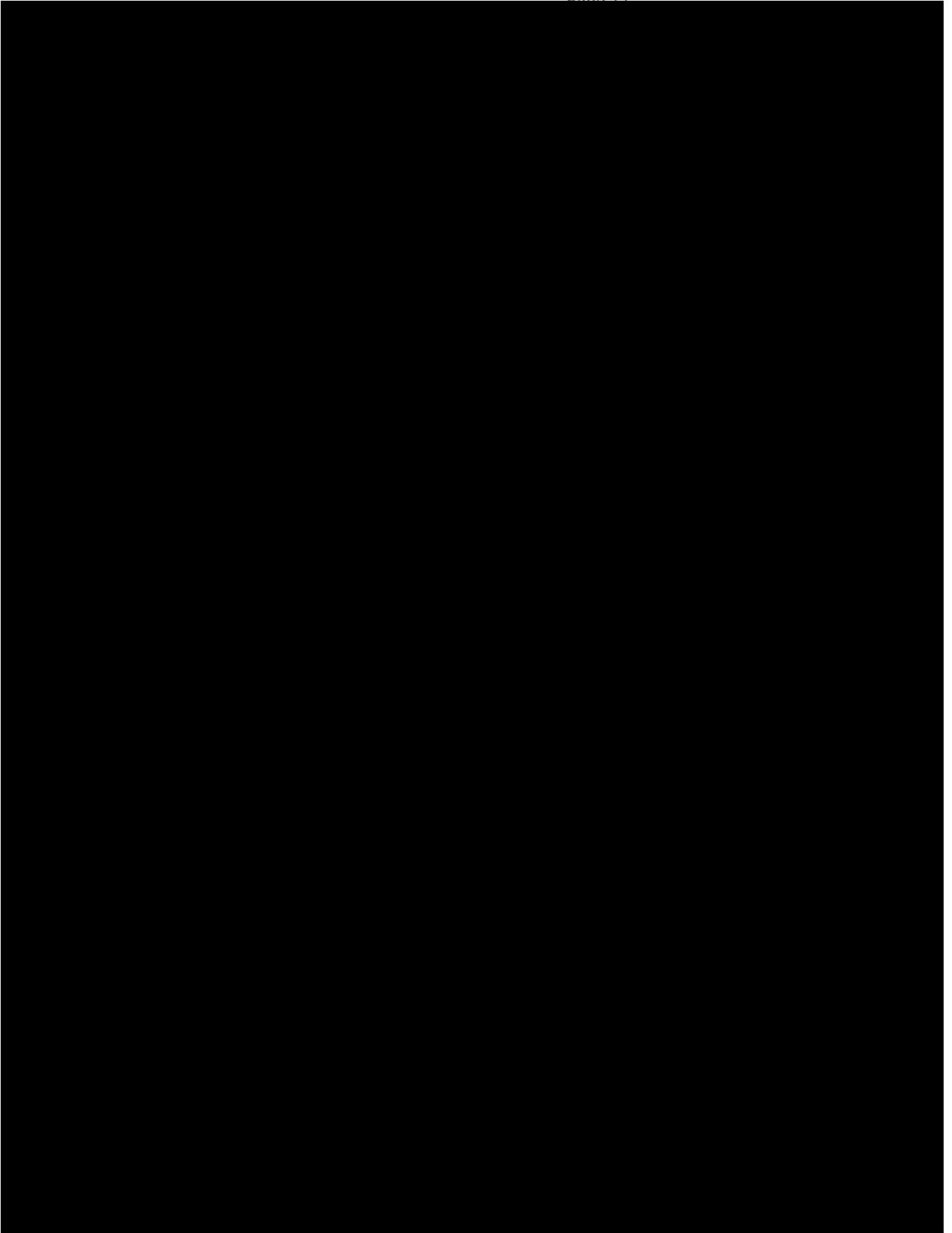
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



THE LEMRA-L INSTRUMENT

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

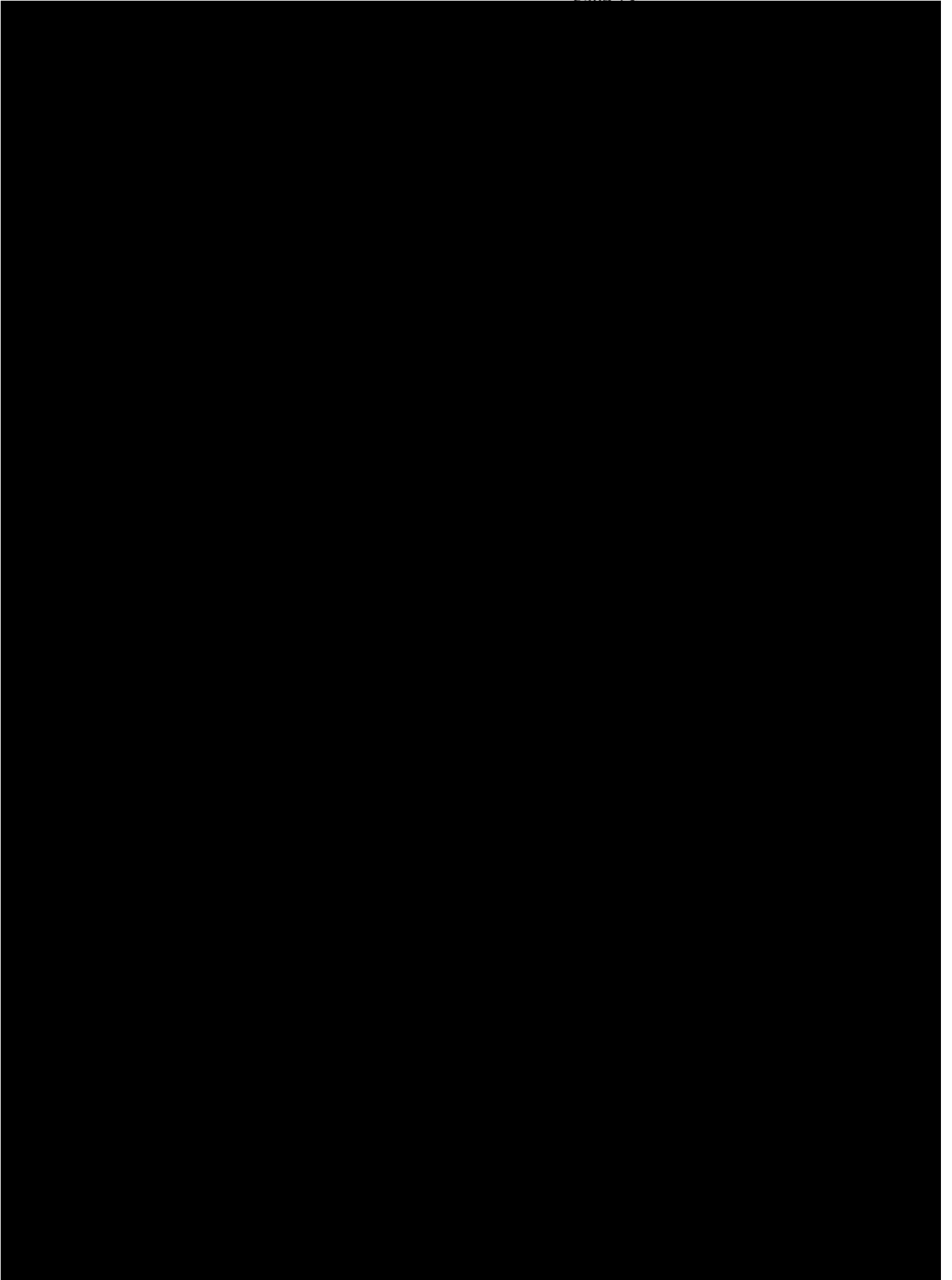
[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]



Previous development

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

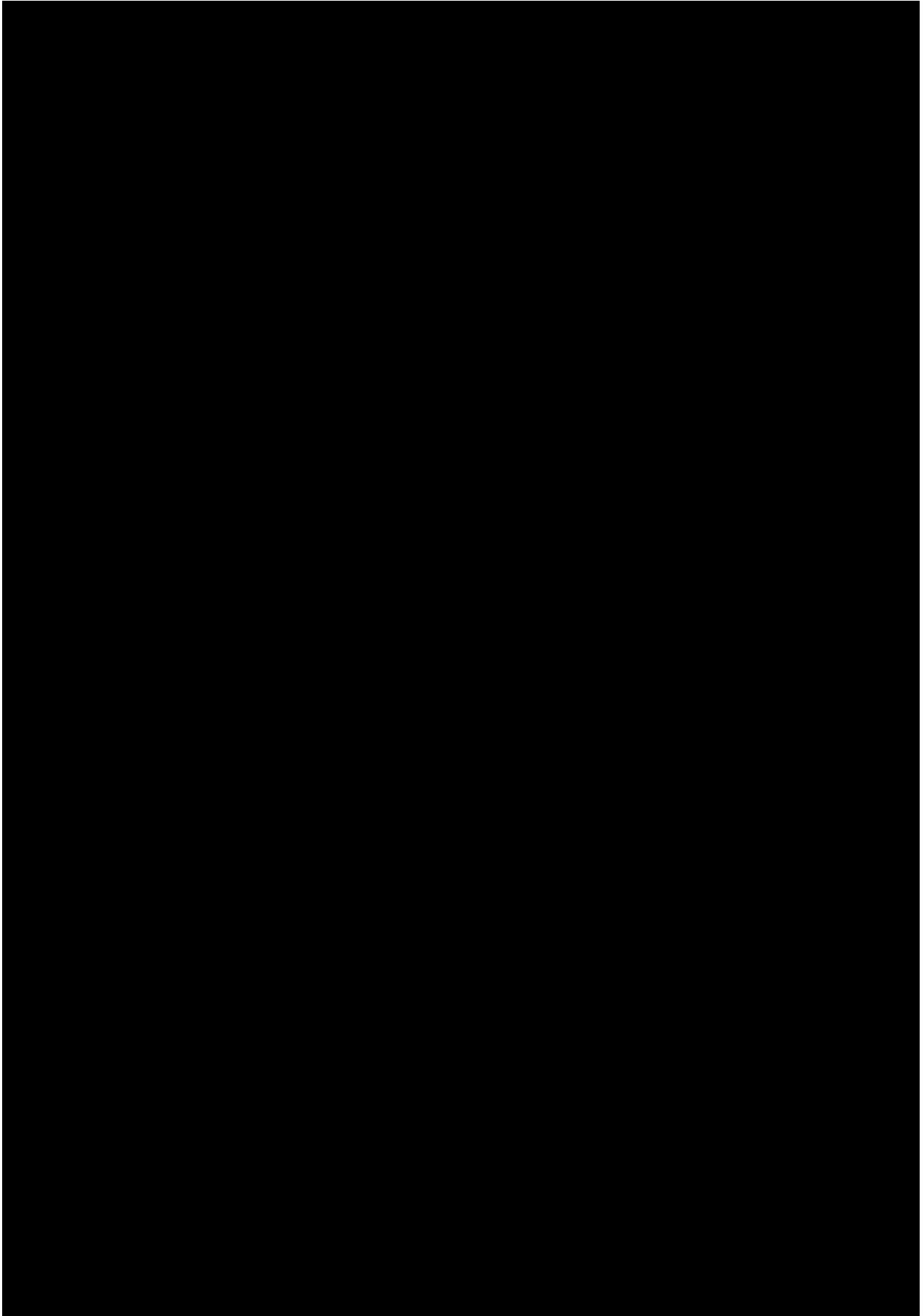
[Redacted text block]

[Redacted text block]

[Redacted text block]

- 
- 
- 
- 
- 
- 
- 
- 
-

**Baseline solution**

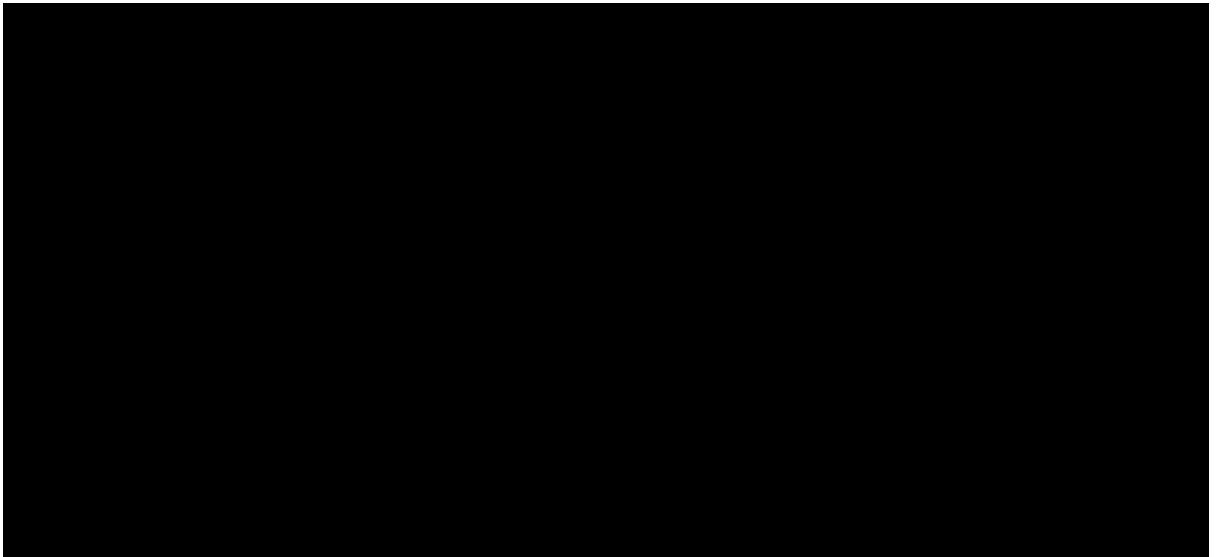




**Current team members and their basic responsibilities**



**Major milestones**





[Redacted]

[Redacted]

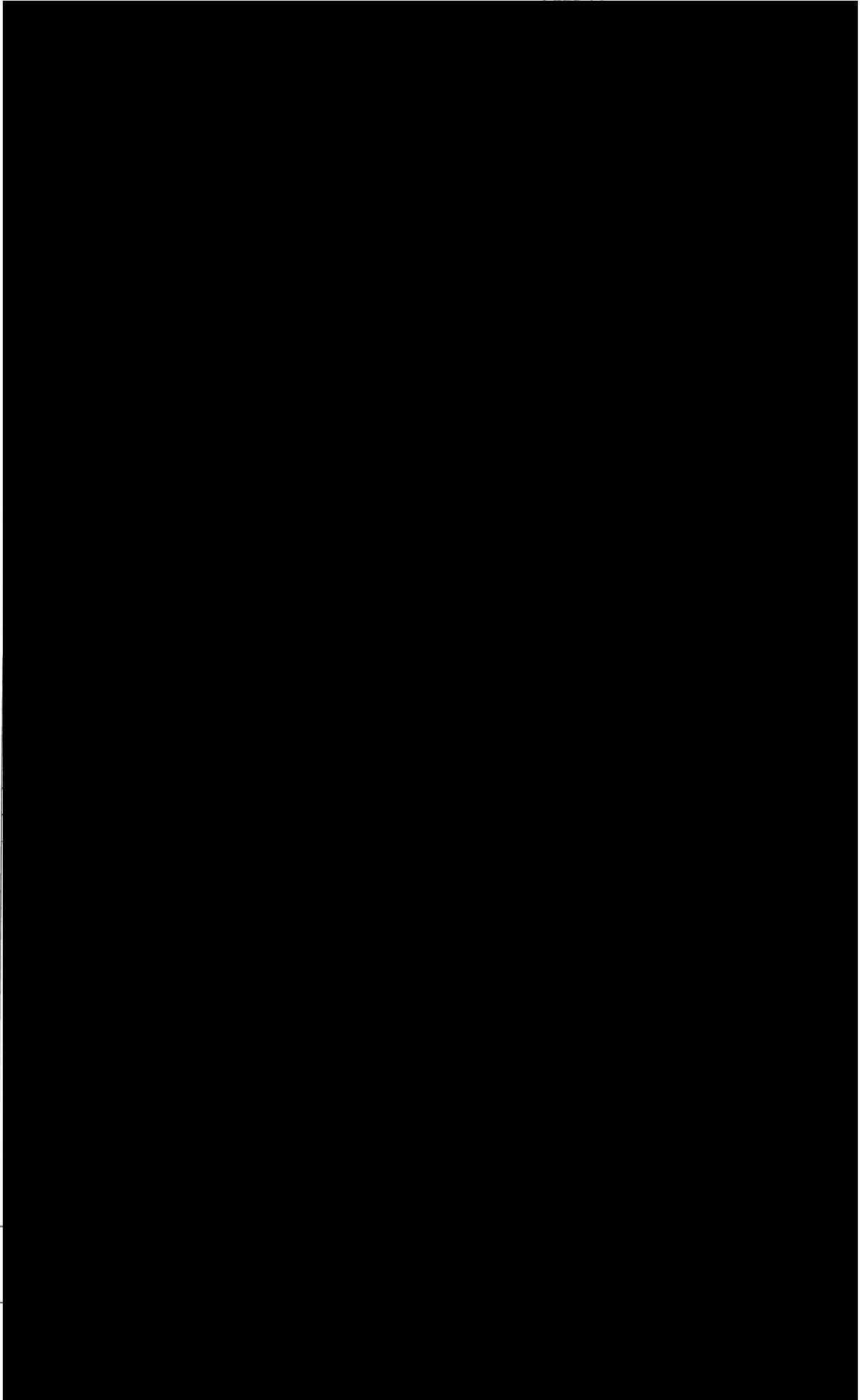
[Redacted]

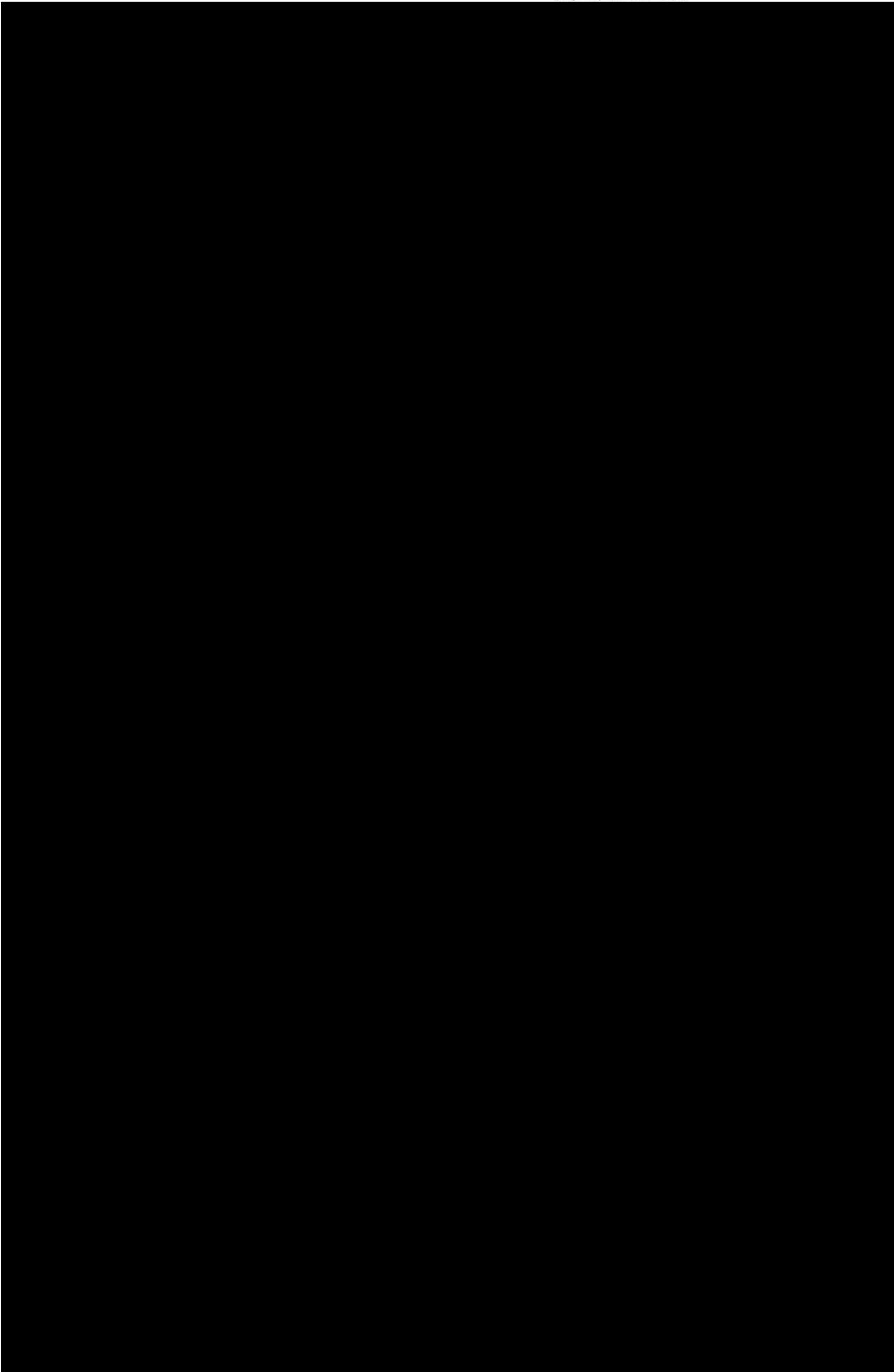
[Redacted]

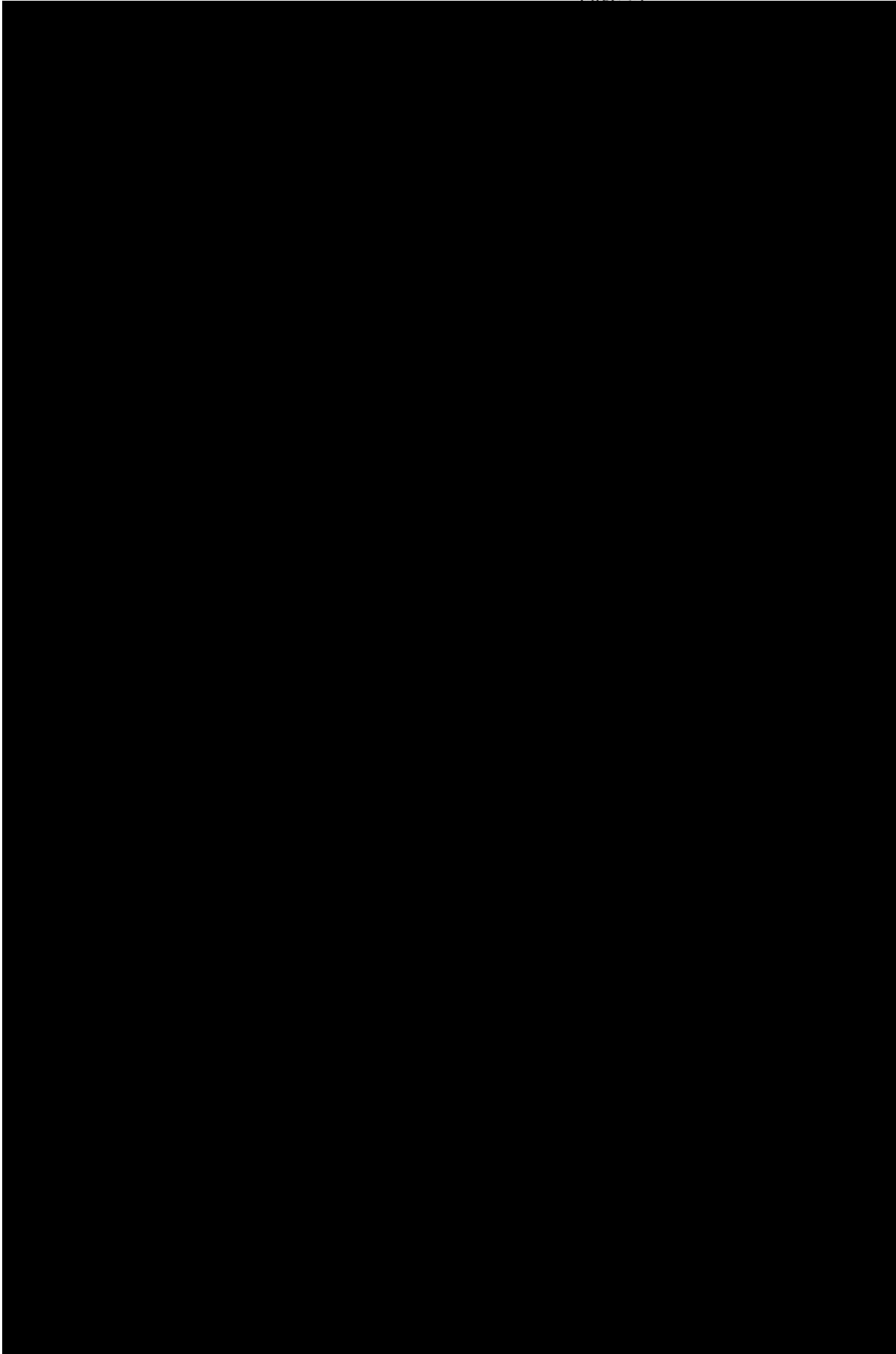
[Redacted]

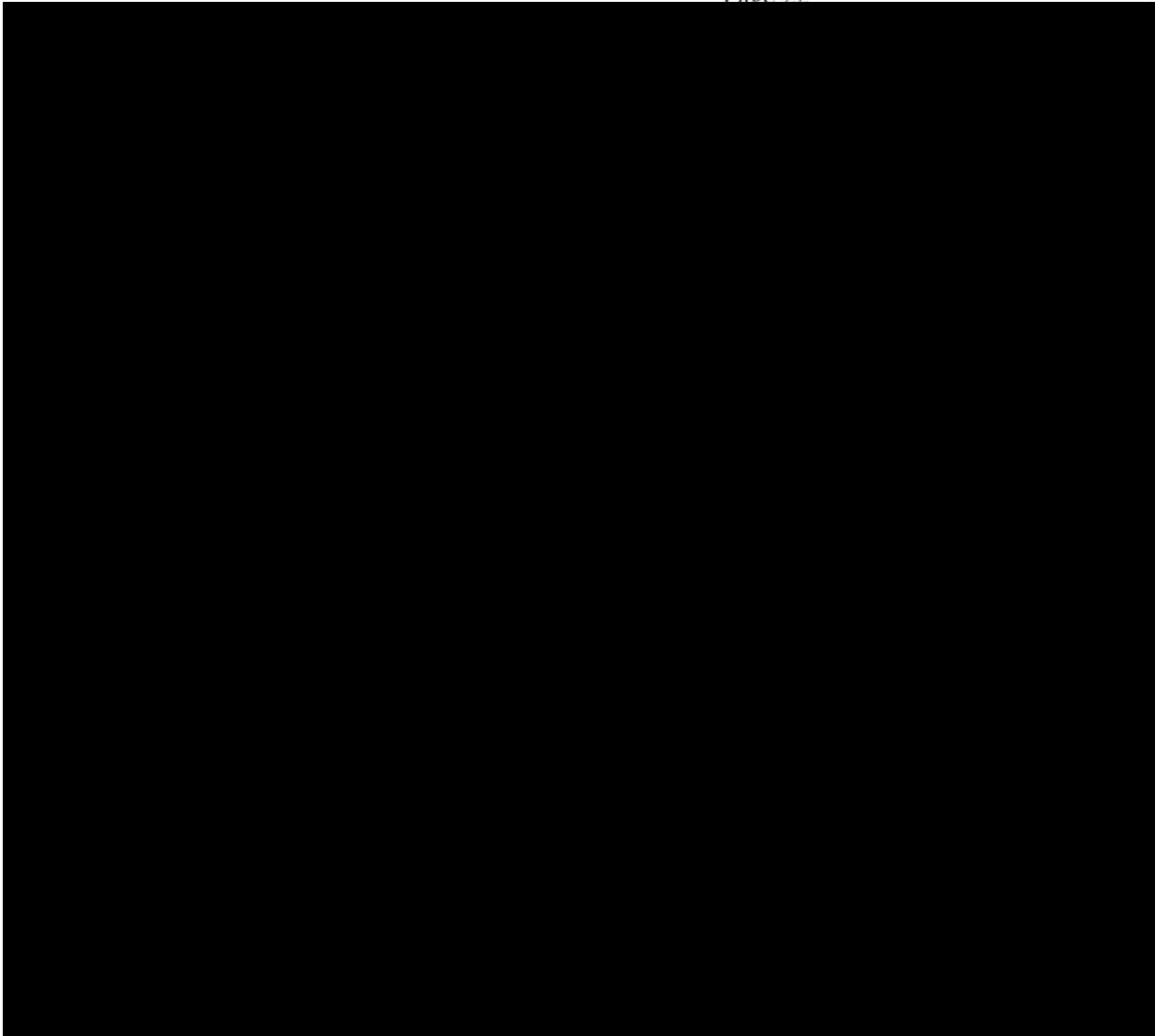
[Redacted]

[Redacted]









### 3. Preliminary Schedule



### 4. Reviewing and invoicing dates

The institute will be asked to submit invoices when the corresponding costs are accrued and the following milestones are met:

No	Name & Description	Value
----	--------------------	-------



**5. Export control approach**



**6. Intellectual property rights**

N/A



Appendix 2

FINANCIAL PLAN

**Development and realization of the Long-wavelength Electromagnetic Radiation Analyzer for the Luna-Resurs Orbital mission**

Department of Space Physics, Institute of Atmospheric Physics, The Czech Academy of Sciences

Starting date: 1 September 2019

Ending date: 31 December 2023

INSTITUTE COSTS	2019	2020	2021	2022	2023	Total
Senior Engineers (20% FTE, aver. gross hourly rate 31.10) <i>I. Kolmasova, J. Soucek</i>	5 800	15 800	15 800	7 900	7 900	53 200
Engineers (35% FTE, average gross hourly rate 25.70) <i>R. Lan, L. Uhlir</i>	0	26 200	26 200	13 100	13 100	78 600
Junior Engineers (53% FTE, average gross hourly rate 19.00) <i>M. Hajos, J. Smisek, newly hired junior engineer</i>	0	29 000	29 000	14 500	14 500	87 000
Junior Scientists (18% FTE, average gross hourly rate 12.00) <i>D. Pisa, B. Grison</i>	0	9 800	9 800	4 900	4 900	29 400
Senior Scientist (7% FTE, average gross hourly rate 21.60) <i>O. Santolik</i>	5 200	5 200	5 200	2 600	2 600	20 800
<b>Total salaries:</b>	11 000	86 000	86 000	43 000	43 000	269 000
Small Equipment, components, software	0	20 000	20 000	20 000	15 000	75 000
Services	0	30 000	30 000	20 000	10 000	90 000
Travel	0	10 000	10 000	10 000	10 000	40 000
Institute overhead	1 100	14 600	14 600	9 300	7 800	47 400
<b>Total</b>	<b>12 100</b>	<b>160 600</b>	<b>160 600</b>	<b>102 300</b>	<b>85 800</b>	<b>521 400</b>

1

2

3

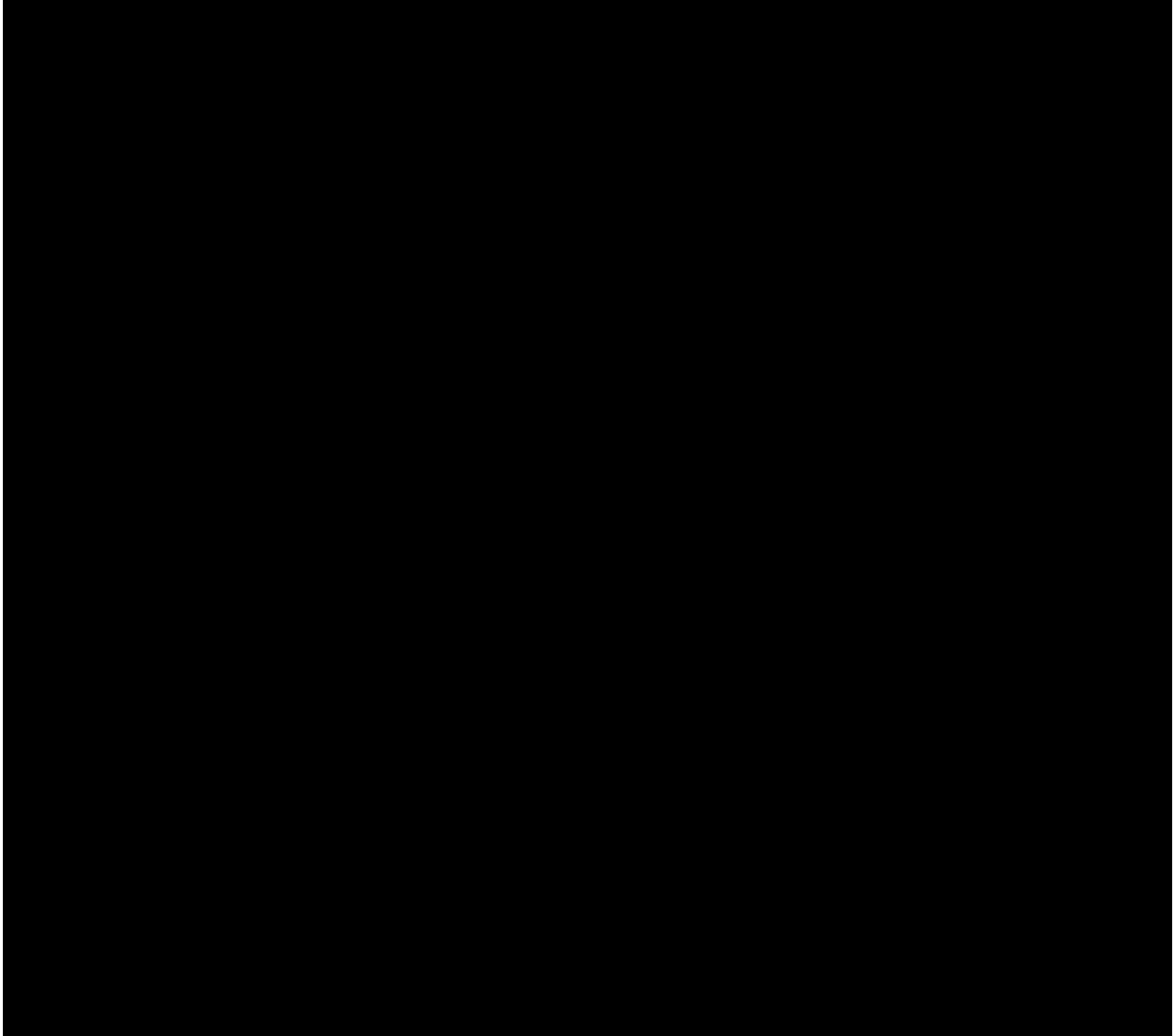
4

5

6

7

**PRODEX EXPERIMENT ARRANGEMENT CHANGE PROCEDURE**



<b>PRODEX EXPERIMENT ARRANGEMENT CHANGE NOTICE - SPECIMEN</b>	
Institute:	
PEA No:	CN No: Supplier Code:
Contract:	
Title of area affected	Article(s) of the Arrangement: Initiator of change:
Description of change	
Reason for change	
Funds <i>in addition to / in replacement of</i> those stipulated in Article 2.1: EURO:	
Breakdown of Funds <i>in addition to / in replacement of</i> the one stipulated in Article 2.2	
Effect on other Arrangement provisions	Commencement of Term End of Term
<b>Institute</b>	
Institute's representative(s):	Date
<b>ESA</b>	
PRODEX Office representative:	Date

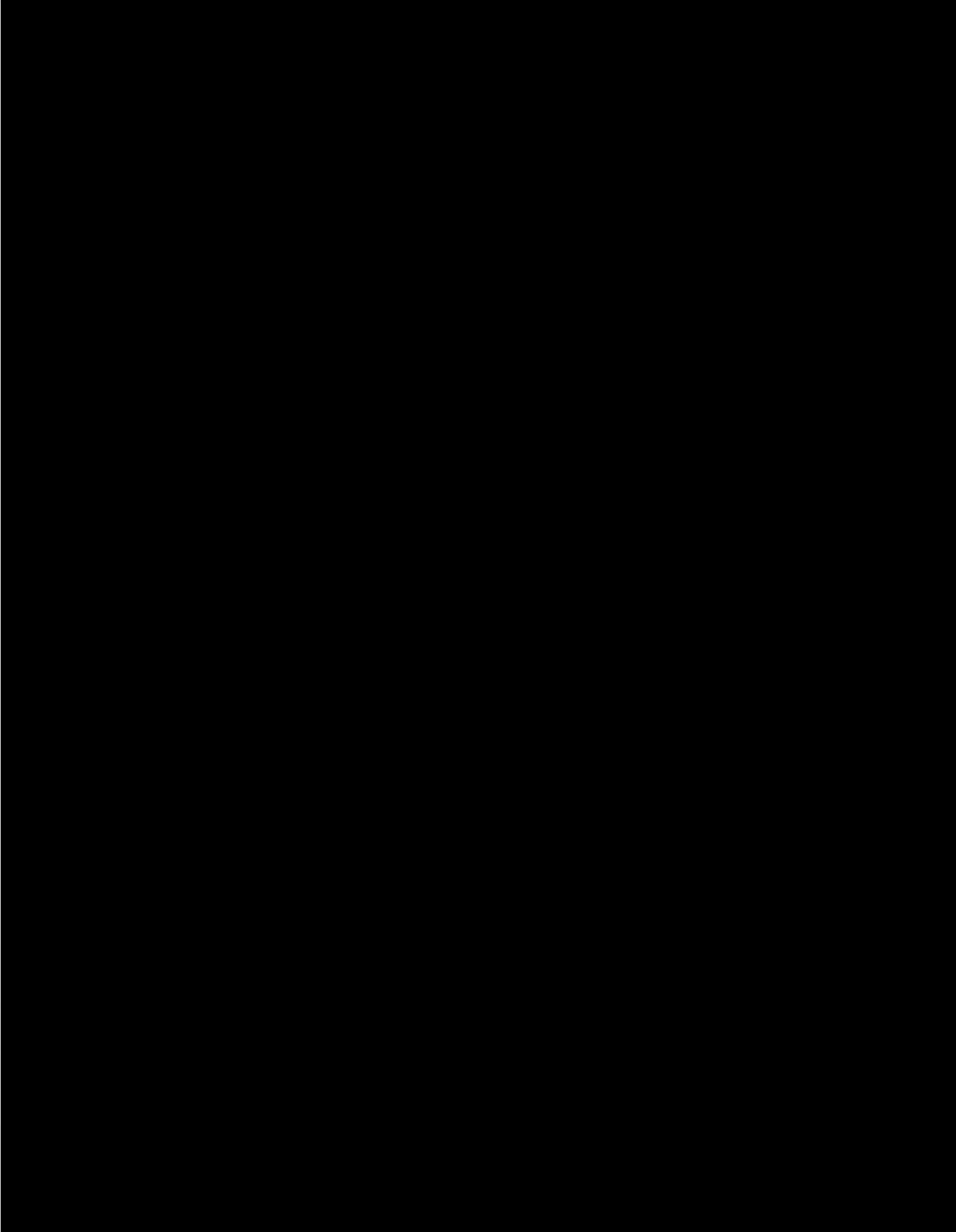
**GENERAL CONDITIONS**

Complementary to Article 4 of the arrangement the General Conditions applicable to all PRODEX Experiment arrangements are included in their original version hereafter (therefore, the word “contract(s)” and “contractor(s)” are to be read “arrangement(s)” and “institute(s)” respectively in the following provisions) :

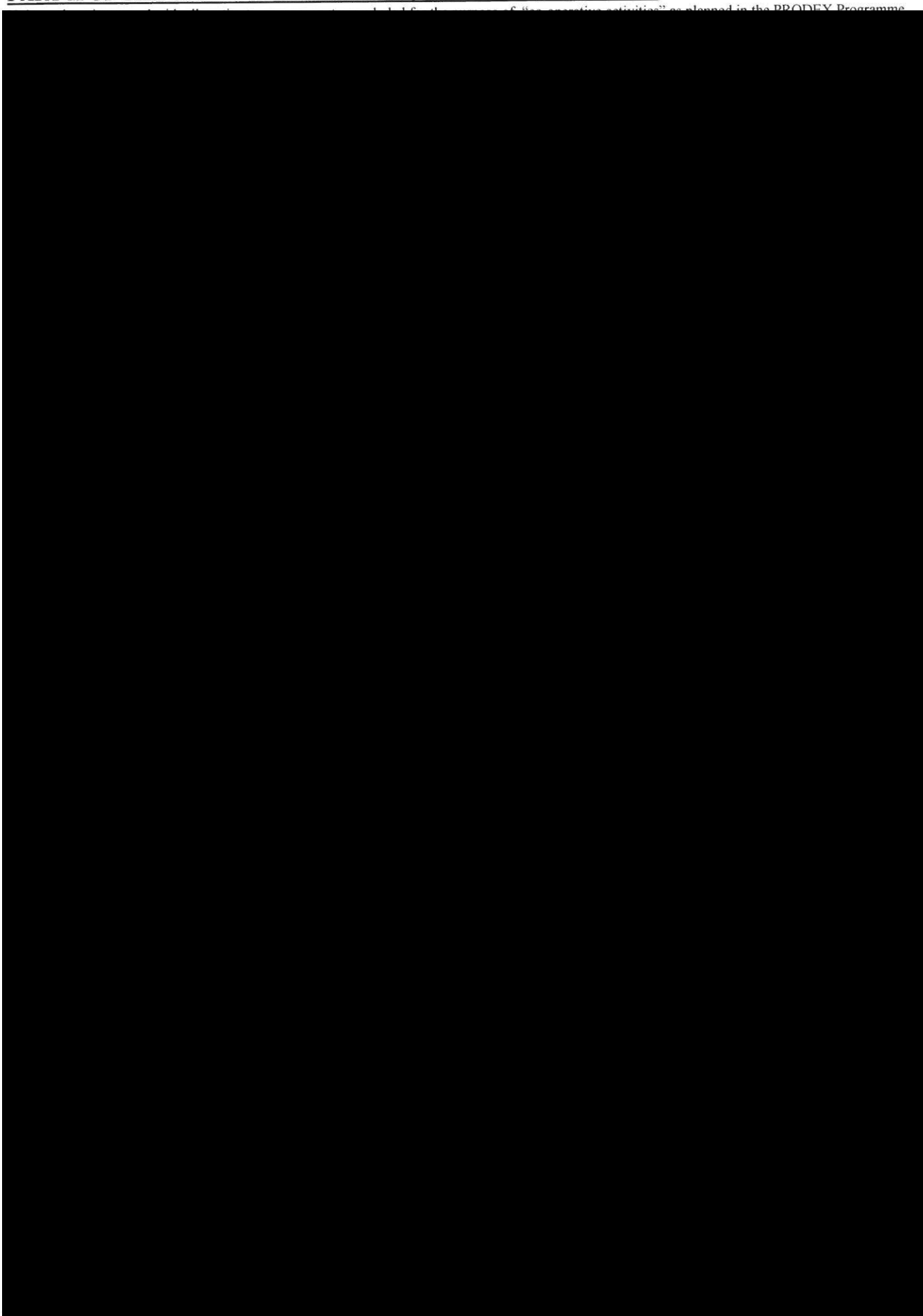
**PART I OF THE GENERAL CONDITIONS :**

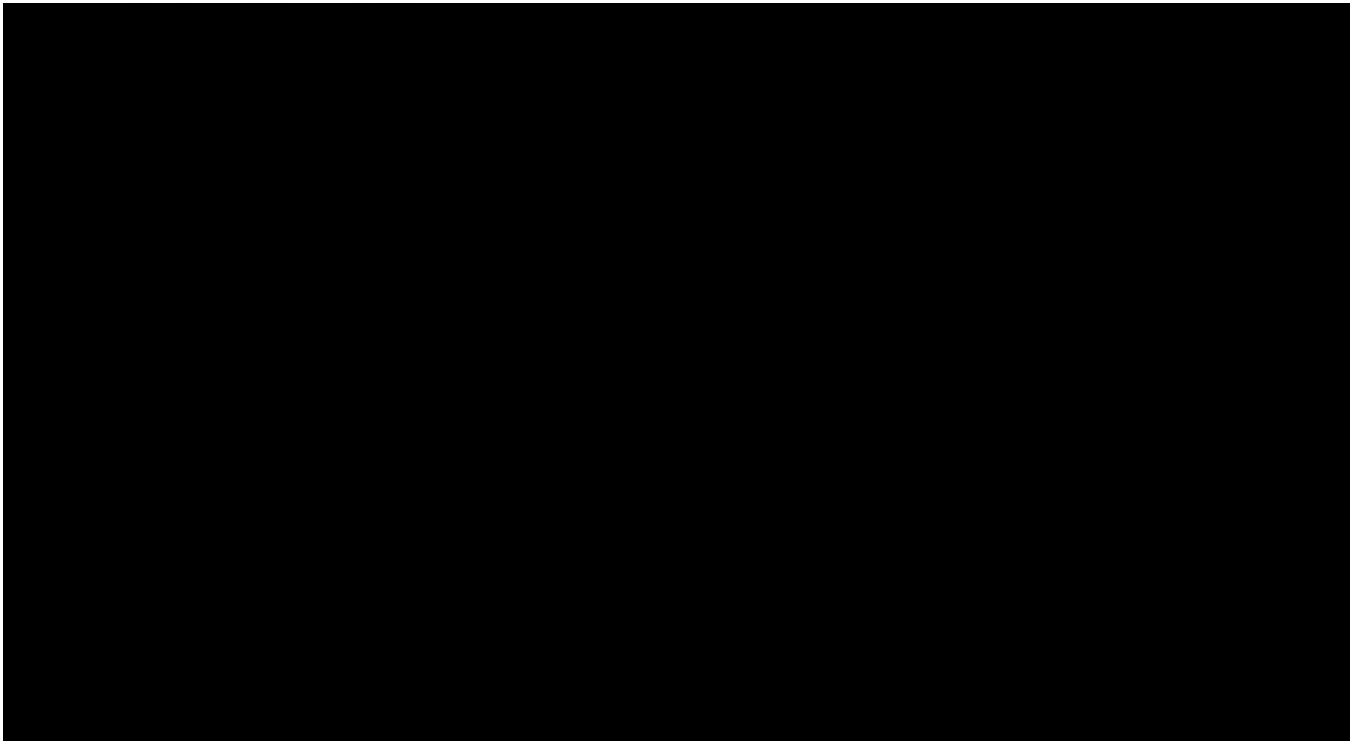


**CLAUSE 28 - FINAL SETTLEMENT**



**PART II OF THE GENERAL CONDITIONS (CLAUSES 36, 37, 38 and 39) :**

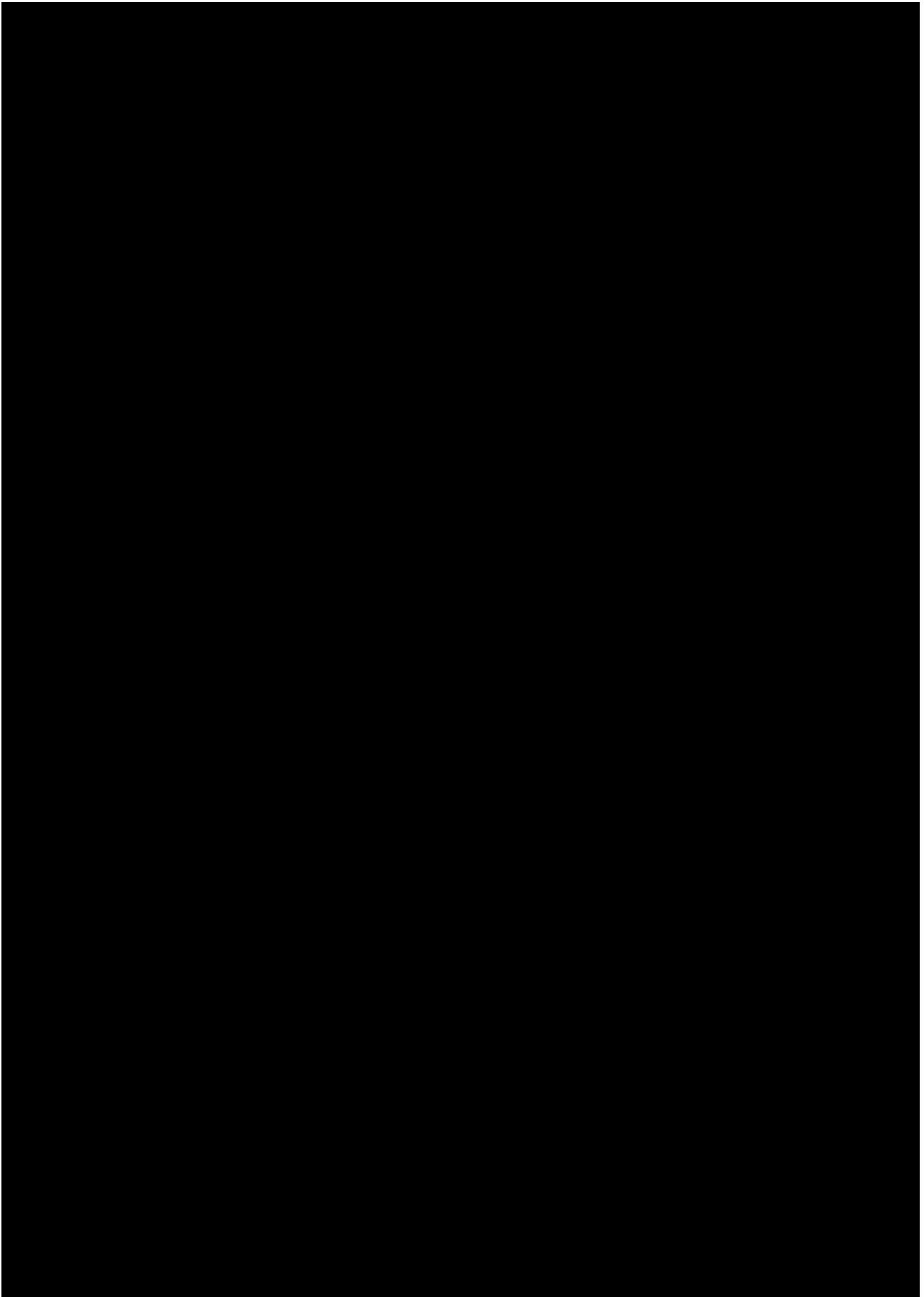


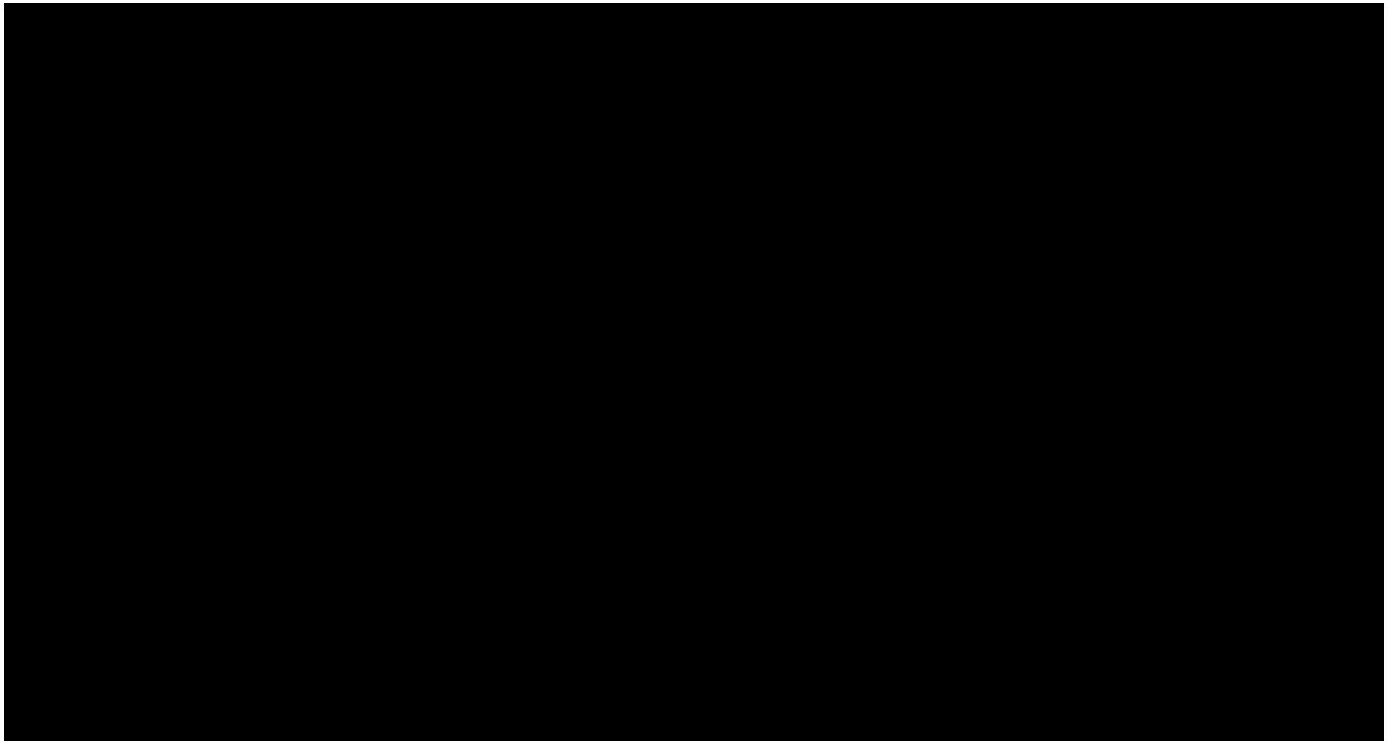
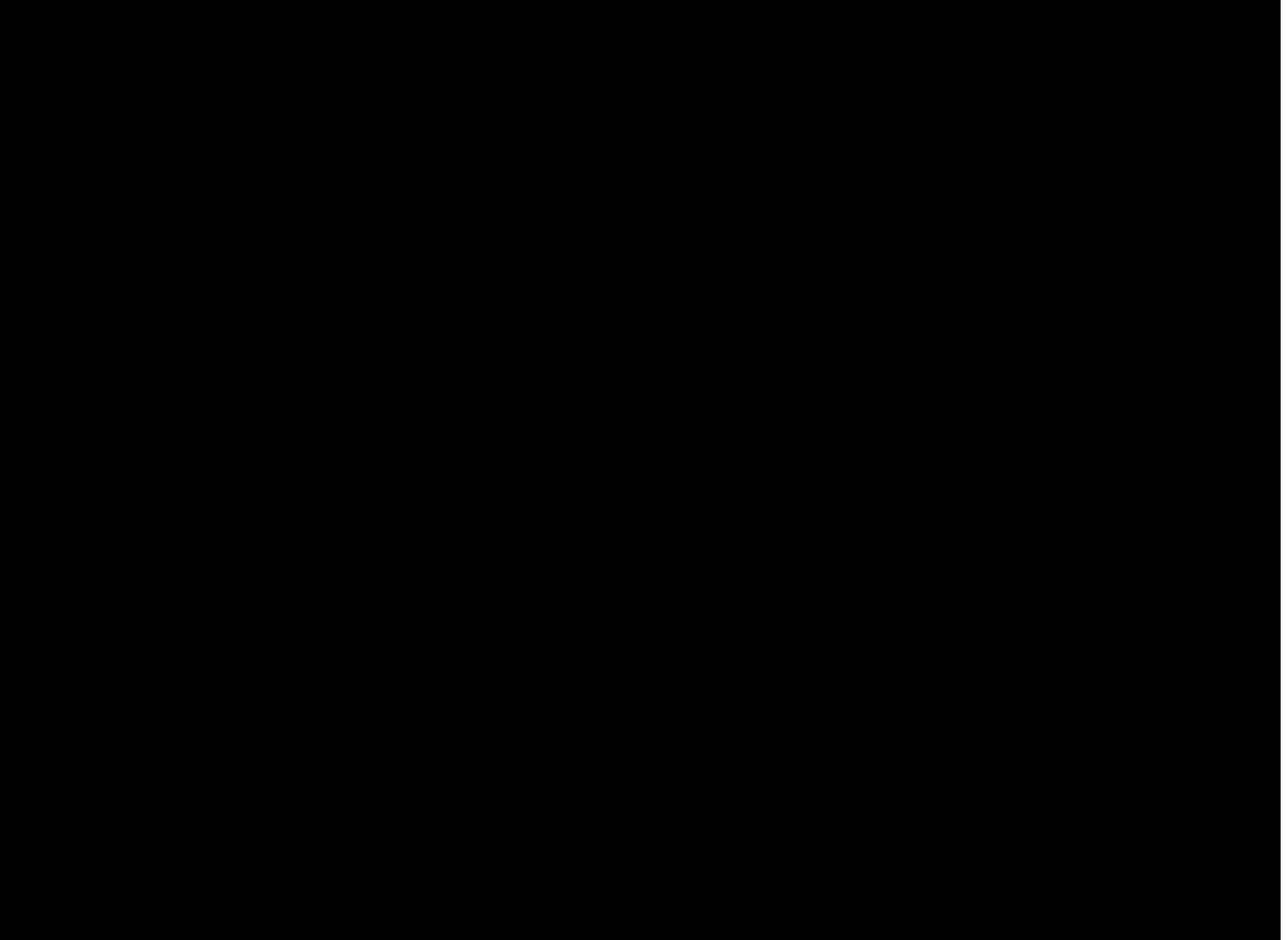






*ANNEX IV TO THE GENERAL CONDITIONS - DEFINITIONS*





[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**ANNEX V TO THE GENERAL CONDITIONS: DAMAGE TO ITEMS COVERED BY CLAUSES 11 AND 12 – EVENTS RELEASING THE CONTRACTOR FROM LIABILITY FOR DAMAGE**

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

