

# Variation Order



<b>Contractor:</b>	UNIVERSIDADE FEDERAL RURAL DO RIO DE JANEIRO – UFRRJ com interveniência administrativa da FUNDAÇÃO DE APOIO À PESQUISA CIENTÍFICA E TECNOLÓGICA DA UFRRJ - FAPUR		
<b>Contract No:</b>	4600024388	<b>Contract Title:</b>	Magmatismo e processos tectônicos das fases rifte, drifte e pós-rifte nas áreas central e norte da Bacia de Santos

<b>Variation Order No:</b>	3	<b>VOR No:</b>	3	<b>Date:</b>	18/01/2023
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<b>Subject:</b>	Extensão de Prazo e novo Cronograma de Execução   Contract Extension and new Execution Line		
<b>Attachment:</b>	Novo Cronograma de Execução   New Execution Line		

----- Português

Aditivo:



As Partes concordam com as seguintes alterações:

**(A) Extensão de Prazo do Contrato**

Considerando o Contrato acima designado e que o mesmo possuía prazo de vigência até 22-Fevereiro-2023. As partes desejam por meio desta VO formalizar a citada prorrogação:

As partes ajustam o seguinte: **O prazo de vigência fica prorrogado até 31-Agosto-2023** O cronograma de execução será detalhado no **anexo I**.

Essa prorrogação é necessária para mitigar o atraso nos resultados do laboratório. Ambos os laboratórios estão sobrecarregados na produção de dados após um período prolongado de baixa demanda devido à pandemia de COVID, além do cumprimento do orçamento total do projeto que foi adiado pelo mesmo motivo de pandemia.

**NOTA:** Todos os outros termos e condições do Contrato permanecem os mesmos, válidos e sem modificações.

----- English

Variation Order :

The Parties have agreed with the following changes:

**(A) Contract Extension**

Considering the Agreement designated above and the term of validity until February-22-2023. The Parties desire by this VO to formalize the extension:

The Parties shall adjust the following: **The Term of Contract shall be extended to August-31-2023**. The execution line will be detailed in the **Appendix I**.

This extension is necessary to mitigate the delay in lab results. Both labs are now overloaded in producing data after a prolonged time of low demand due to COVID pandemic situation, in addition to complying with the total budget, which was postponed due to the same pandemic reasons.

All other terms and conditions of the Contract remain the same, valid and unchanged.

**NOTE:** All other terms and conditions of the Contract remain the same, valid and unchanged.

[PÁGINA DE ASSINATURA SEGUE ABAIXO]

[SIGNATURE PAGE FOLLOWS BELOW]

Equinor Brasil:

Date

Signature



Universidade:

Date

Signature



Fundação:

Date

Signature



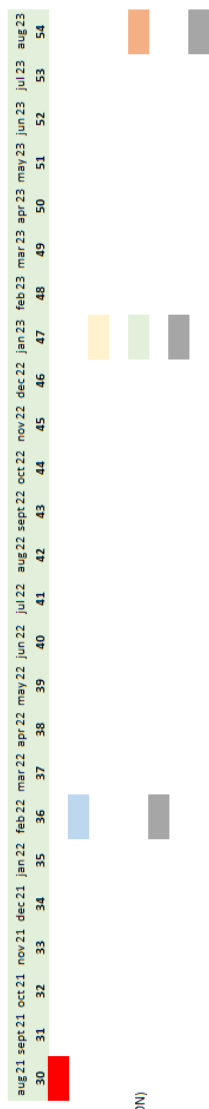
# Anexo I

New time schedule for variation order in January, 2023.

#	ACTIVITIES	30	31	oct 21	nov 21	dec 21	jan 22	feb 22	mar 22	apr 22	may 22	jun 22	jul 22	aug 22	sept 22	oct 22	nov 22	dec 22	jan 23	feb 23	mar 23	apr 23	may 23	jun 23	jul 23	aug 23		
1	Request well sections of wells EQUIN-1 and EQUIN-3 from ANP																											
2	Delivery of 18 lateral slide core samples (wells EQUIN-1 e EQUIN-3) by EQUINOR at UFRU																											
3	<b>MODULE NE Santos</b> (wells 1-BRSA-37, 1-BRSA-148 e 1-BRSA-213; post-salt); thin section preparation and petrographic analysis																											
4	<b>MODULE NE Santos</b> (wells 1-BRSA-37, 1-BRSA-148 e 1-BRSA-213; post-salt); petrographic interpretation																											
5	<b>MODULE NE Santos</b> (wells 1-BRSA-37, 1-BRSA-148 e 1-BRSA-213; post-salt); lithochemical analysis																											
6	<b>MODULE NE Santos</b> (wells 1-BRSA-37, 1-BRSA-148 e 1-BRSA-213; post-salt); interpretation of lithochemical data																											
7	<b>MODULE NE Santos</b> (wells 1-BRSA-37, 1-BRSA-148 e 1-BRSA-213; post-salt); isotope (Sr-Nd-Pb-Hf) and geochronological (Ar-Ar) analysis																											
8	<b>MODULE NE Santos</b> (wells 1-BRSA-37, 1-BRSA-148 e 1-BRSA-213; post-salt); interpretation of isotope (Sr-Nd-Pb-Hf) and geochronological (Ar-Ar) data																											
9	<b>MODULE Center Santos</b> (well 1-BRSA-886; pre-salt); delivery of samples (SAA 26.20; warehouse in Caxias, RJ) by PETROBRAS																											
10	<b>MODULE Center Santos</b> (well 1-BRSA-886; pre-salt); thin section preparation and petrographic analysis																											
11	<b>MODULE Center Santos</b> (well 1-BRSA-886; pre-salt); petrographic interpretation																											
12	<b>MODULE Center Santos</b> (well 1-BRSA-886; pre-salt); lithochemical analysis																											
13	<b>MODULE Center Santos</b> (well 1-BRSA-886; pre-salt); interpretation of lithochemical analysis																											
14	<b>MODULE Center Santos</b> (well 1-BRSA-886; pre-salt); isotope (Sr-Nd-Pb-Hf) and geochronological (Ar-Ar) analysis																											
15	<b>MODULE Center Santos</b> (well 1-BRSA-886; pre-salt); interpretation isotope (Sr-Nd-Pb-Hf) and geochronological (Ar-Ar) analysis																											
16	<b>MODULE Center Santos</b> (well 1-BRSA-886; pre-salt); thin section preparation and petrographic analysis																											
17	<b>MODULE Center Santos</b> (well 3-BRSA-1267A; pre-salt); petrographic interpretation																											
18	<b>MODULE Center Santos</b> (well 3-BRSA-1267A; pre-salt); lithochemical analysis																											
19	<b>MODULE Center Santos</b> (well 3-BRSA-1267A; pre-salt); interpretation of lithochemical data																											
20	<b>MODULE Center Santos</b> (well 3-BRSA-1267A; pre-salt); isotope (Sr-Nd-Pb-Hf) and geochronological (Ar-Ar) analysis																											
21	<b>MODULE Center Santos</b> (well 3-BRSA-1267A; pre-salt); interpretation of isotope (Sr-Nd-Pb-Hf) and geochronological (Ar-Ar) data																											
22	<b>MODULE South Santos 1</b> (wells 6-BG-6P-SPS, EQUIN-1 e EQUIN-3; pre-salt); thin section preparation and petrographic analysis																											
23	<b>MODULE South Santos 1</b> (wells 6-BG-6P-SPS, EQUIN-1 e EQUIN-3; pre-salt); petrographic interpretation																											
24	<b>MODULE South Santos 1</b> (wells 6-BG-6P-SPS, EQUIN-1 e EQUIN-3; pre-salt); lithochemical analysis																											
25	<b>MODULE South Santos 1</b> (wells 6-BG-6P-SPS, EQUIN-1 e EQUIN-3; pre-salt); interpretation of lithochemical data																											
26	<b>MODULE South Santos 1</b> (wells 6-BG-6P-SPS, EQUIN-1 e EQUIN-3; pre-salt); isotope (Sr-Nd-Pb-Hf) and geochronological (Ar-Ar) analysis																											
27	<b>MODULE South Santos 1</b> (wells 6-BG-6P-SPS, EQUIN-1 e EQUIN-3; pre-salt); interpretation of isotope (Sr-Nd-Pb-Hf) and geochronological (Ar-Ar) data																											
28	<b>MODULE South Santos 2</b> (wells 1-BRSA-369A, 4-BRSA-818, 1-BRSA-329D; pre-salt); delivery of samples (SAA 26.20; warehouse in Pojuca, BA) by PETROBRAS																											
29	<b>MODULE South Santos 2</b> (wells 1-BRSA-369A, 4-BRSA-818, 1-BRSA-329D; pre-salt); sample selection (SAA 26.20) at UFRU																											
30	<b>MODULE South Santos 2</b> (wells 1-BRSA-369A, 4-BRSA-818, 1-BRSA-329D; pre-salt); thin section preparation and petrographic analysis																											
31	<b>MODULE South Santos 2</b> (wells 1-BRSA-369A, 4-BRSA-818, 1-BRSA-329D; pre-salt); petrographic interpretation																											
32	<b>MODULE South Santos 2</b> (wells 1-BRSA-369A, 4-BRSA-818, 1-BRSA-329D; pre-salt); lithochemical analysis																											
33	<b>MODULE South Santos 2</b> (wells 1-BRSA-369A, 4-BRSA-818, 1-BRSA-329D; pre-salt); interpretation of lithochemical data (sidewall core samples only)																											
34	<b>MODULE South Santos 2</b> (wells 1-BRSA-369A, 4-BRSA-818, 1-BRSA-329D; pre-salt); isotope (Sr-Nd-Pb-Hf) and geochronological (Ar-Ar) analysis																											
35	<b>MODULE South Santos 2</b> (wells 1-BRSA-369A, 4-BRSA-818, 1-BRSA-329D; pre-salt); interpretation of isotope (Sr-Nd-Pb-Hf) and geochronological (Ar-Ar) data																											
36	Workshop 3 (presentation of preliminary petrogenetic and geodynamic models for EQUIN-1 and EQUIN-3)																											
37	Workshop 4 (presentation of final petrogenetic and geodynamic models for the four modules)																											
#	<b>DELIVERABLES</b>																											
E1	Conceptual tectonic model for <b>module NW Santos</b> (wells 1-OGX-3, 1-OGX-4, 1-OGX-5 e 1-OGX-7a; post-salt)																											
E2	<b>Module NE Santos</b> (wells 1-BRSA-37, 1-BRSA-148 e 1-BRSA-213; post-salt); preliminary conceptual model (tectonic and volcanosedimentary paleoenvironments) and computational thermal model (EXCEL ou MATLAB ou PYTHON)																											
E3	<b>Module Center Santos</b> (wells 1-BRSA-886 and 3-BRSA-1267A; pre-salt); preliminary conceptual model (tectonic and volcanosedimentary paleoenvironments) and computational thermal model (EXCEL ou MATLAB ou PYTHON)																											
E4	<b>Module South Santos 1</b> (wells 6-BG-6P-SPS, EQUIN-1 e EQUIN-3; pre-salt); preliminary conceptual model (tectonic and volcanosedimentary paleoenvironments) and computational thermal model (EXCEL ou MATLAB ou PYTHON)																											
E5	<b>Module South Santos 2</b> (wells 1-BRSA-369A, 4-BRSA-818, 1-BRSA-329D; pre-salt); preliminary conceptual model (tectonic and volcanosedimentary paleoenvironments) and computational thermal model (EXCEL ou MATLAB ou PYTHON)																											
E6	Mid-term technical report 1 (includes deliverables E1 and E2)																											
E7	Mid-term technical report 2 (includes deliverables E3 and E4)																											
E8	Final report and final models for all modules (conceptual tectonic and volcanosedimentary paleoenvironments and computational thermal model); and includes deliverable E5)																											

OBS1: preliminary models are proposed on the basis of well, petrographic and lithochemical data.

OBS2: final models refine previous preliminary models on the basis of isotope and geochronological data.





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*Emitido em 27/01/2023*

**CONTRATO Nº 11/2023 - GABREI (12.28.01.04)**

**(Nº do Protocolo: NÃO PROTOCOLADO)**

*(Assinado digitalmente em 27/01/2023 10:02 )*

**CINTIA DE PAULA MACHADO**

*GABREI (12.28.01.04)*

*Matrícula: ###097#6*

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