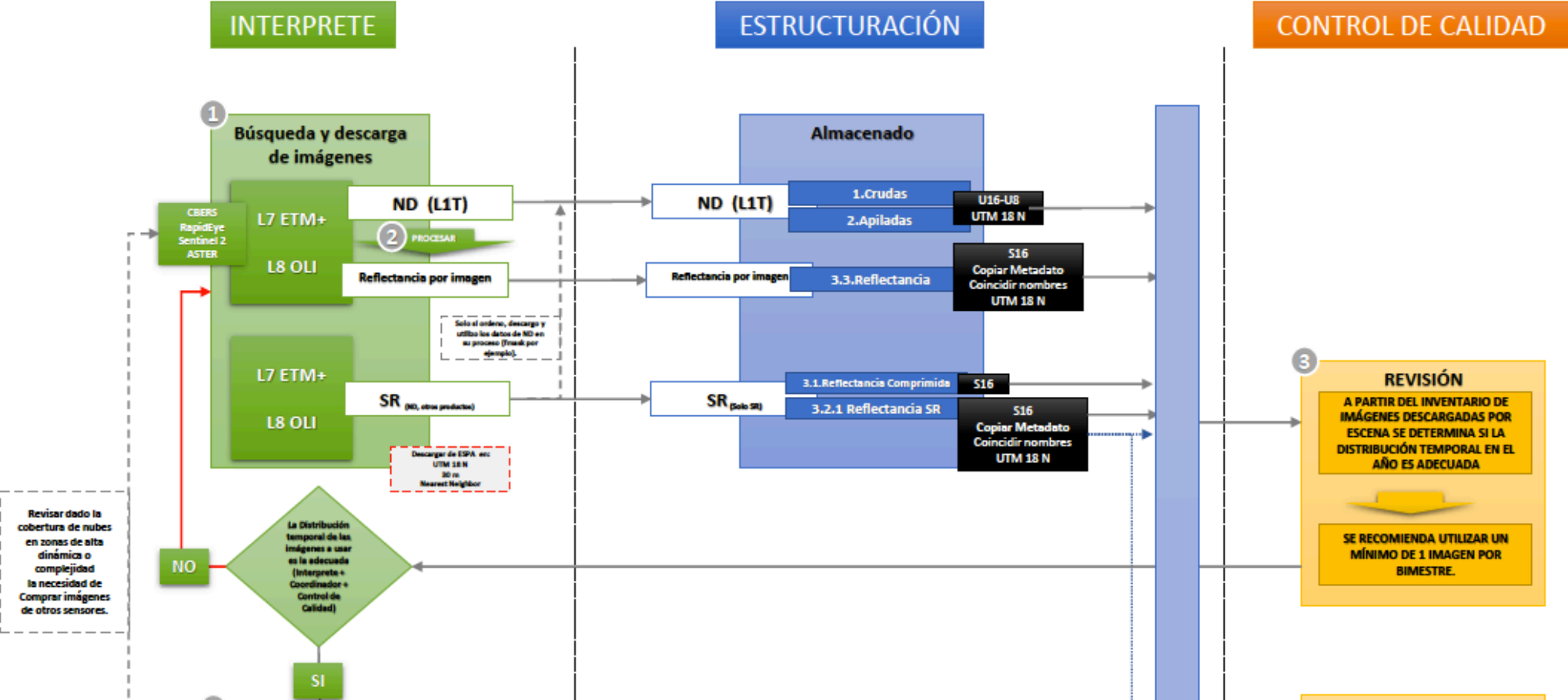
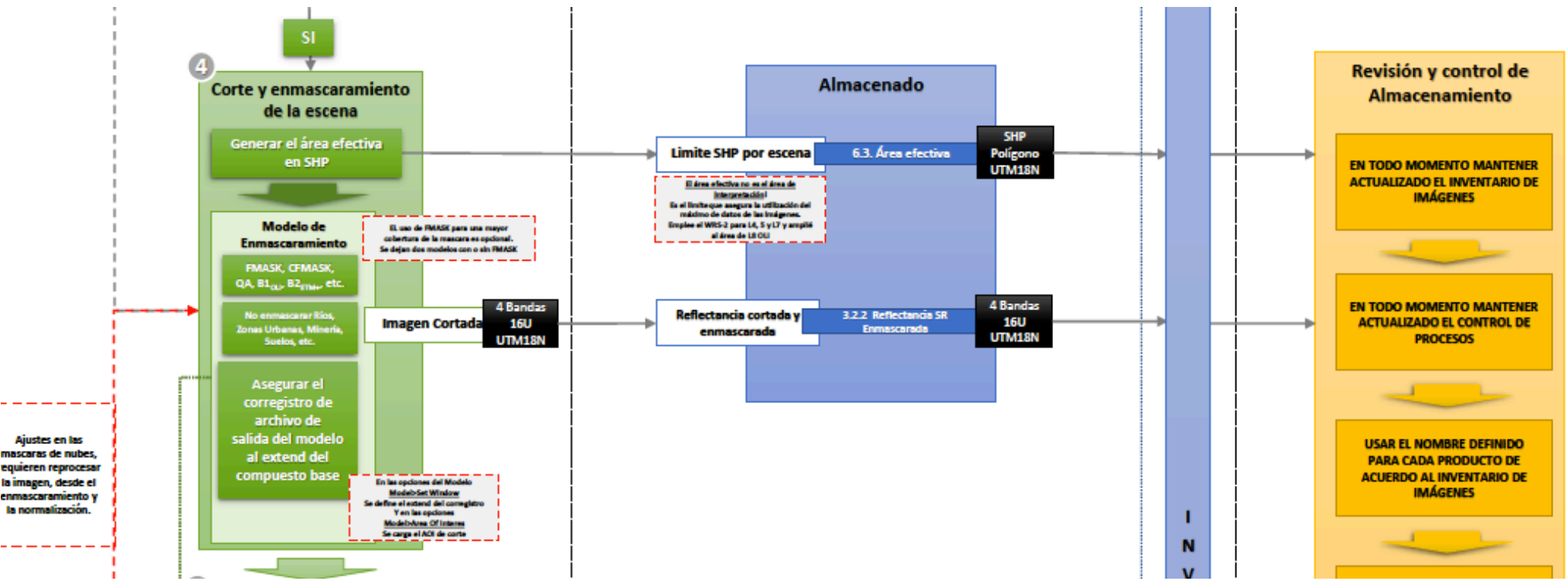


# Apéndice 1. Proceso Técnico para el Análisis de Imágenes IDEAM/MADS



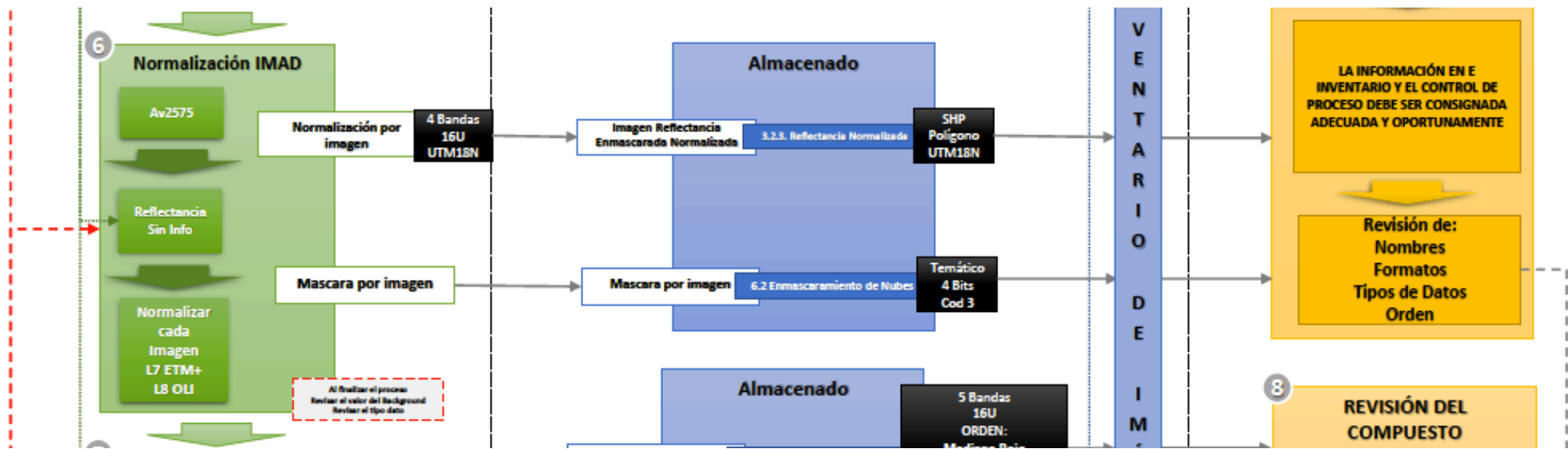
Corresponding Technical Process Steps Evaluated during Validation and Verification

Phase 1. Digital pre-processing of satellite images (FREL Annex A – Step 4.1-4.2)	
1.	Image selection and download
2.	Band stacking
3.	Georegistration
4.	Radiometric correction
5.	Cloud and water masking
6.	Normalization
7.	Image Compositing



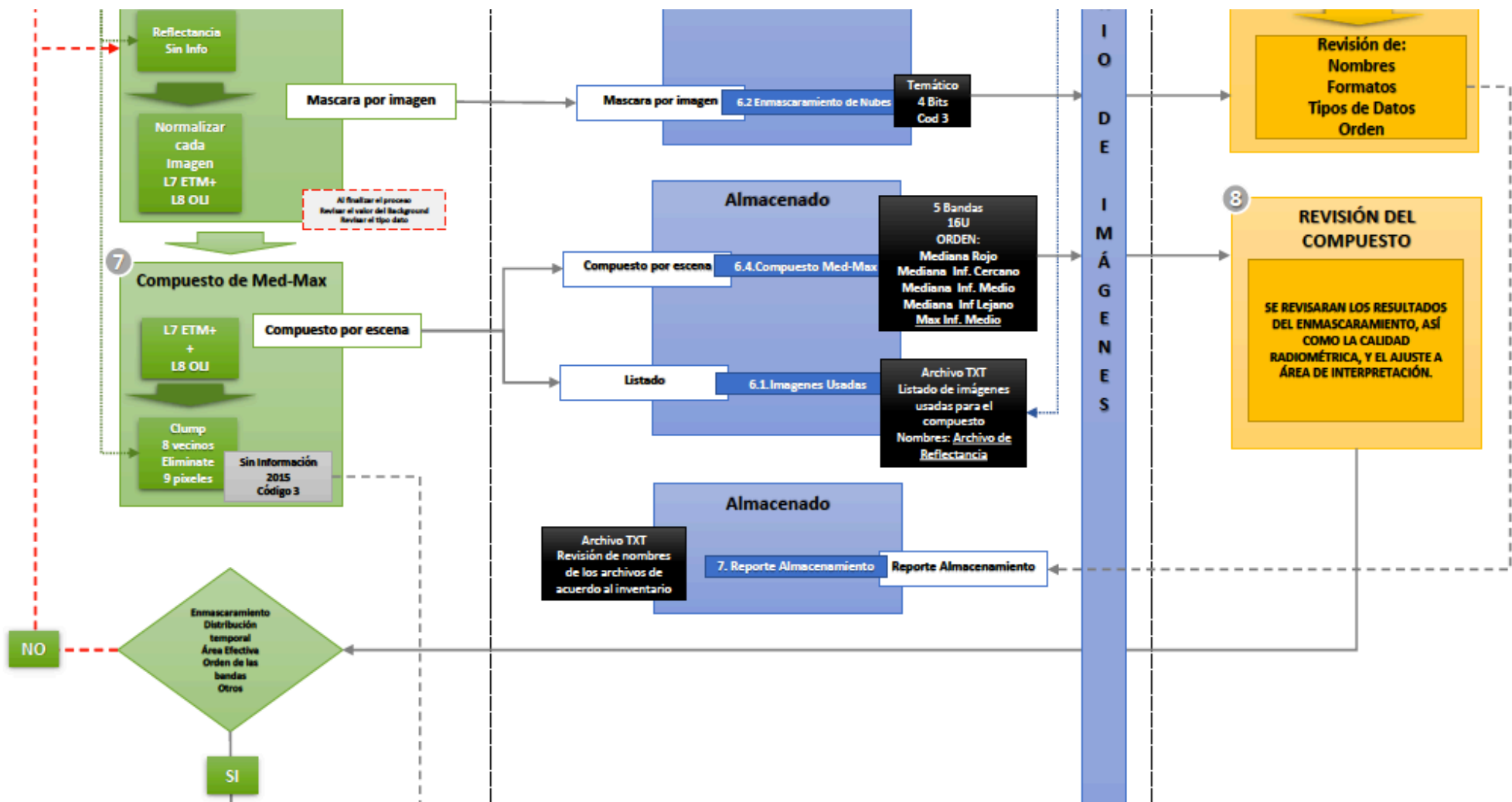
Corresponding Technical Process Steps Evaluated during Validation and Verification

Phase 1. Digital pre-processing of satellite images (FREL Annex A – Step 4.1-4.2)	
1.	Image selection and download
2.	Band stacking
3.	Georegistration
4.	Radiometric correction
5.	Cloud and water masking
6.	Normalization
7.	Image Compositing



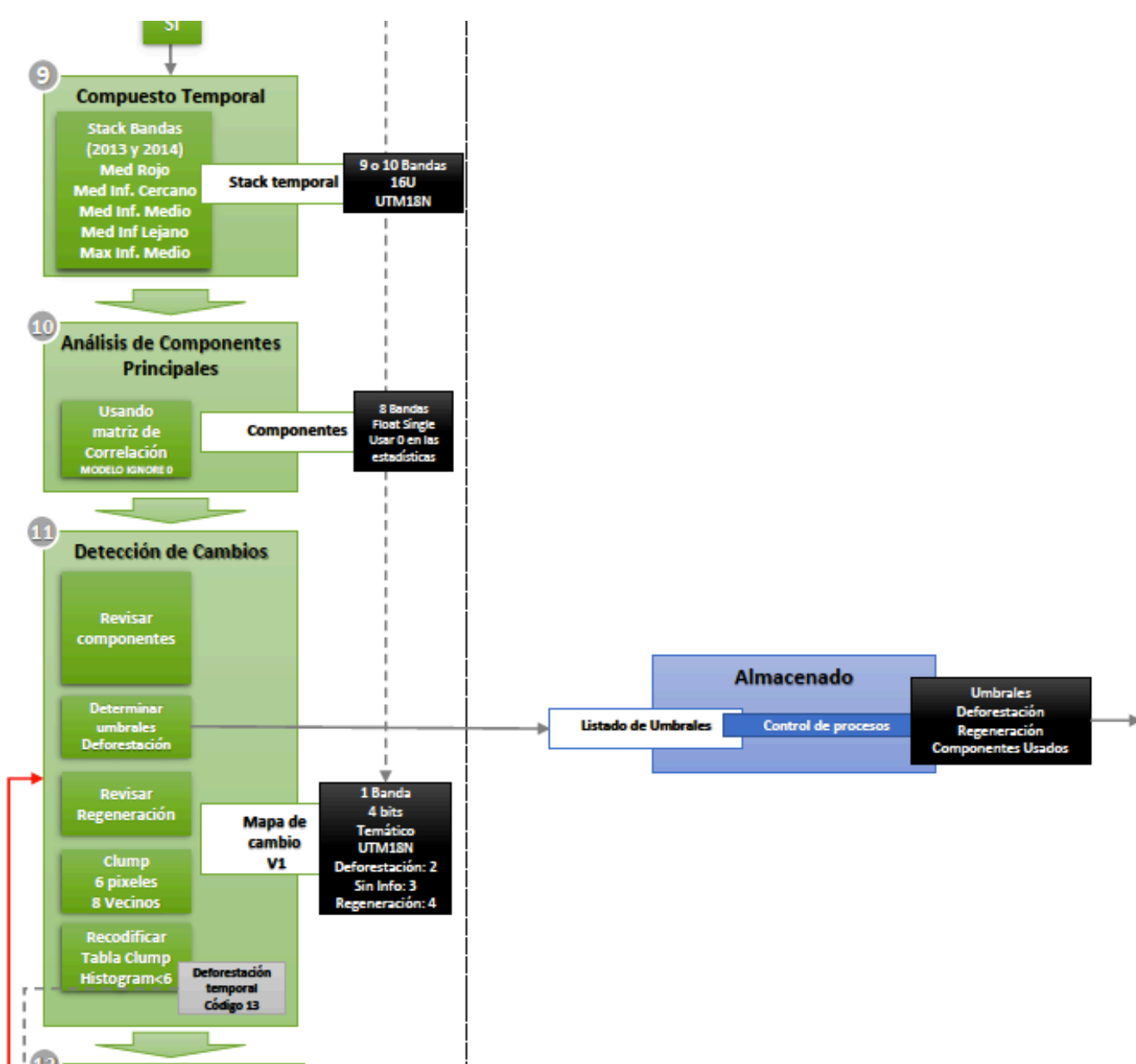
Corresponding Technical Process Steps Evaluated during Validation and Verification

Phase 1. Digital pre-processing of satellite images (FREL Annex A – Step 4.1-4.2)	
1.	Image selection and download
2.	Band stacking
3.	Georegistration
4.	Radiometric correction
5.	Cloud and water masking
6.	Normalization
7.	Image Compositing



Corresponding Technical Process Steps Evaluated during Validation and Verification

Phase 1. Digital pre-processing of satellite images (FREL Annex A – Step 4.1-4.2)	
1.	Image selection and download
2.	Band stacking
3.	Georegistration
4.	Radiometric correction
5.	Cloud and water masking
6.	Normalization
7.	Image Compositing



Corresponding Technical Process Steps Evaluated during Validation and Verification

Phase 2. Digital Satellite Image Processing (FREL Annex A – Step 4.3)	
8.	Change Detection
9.	Visual verification of changes by interpreter
10.	Quality control and adjustments during process
11.	Image recoding, cross-validation and final mosaic

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**Edición de Resultados**

Revisar Deforestación máscara de No Bosque Mapa BNB

Revisar y ajustar Deforestación en No Bosque

Verdadera Deforestación Cod 12

Del Mapa de CAMBIO 2013-2014 Transferir Bosque No Bosque

Bosque Cod:1 No Bosque Cod:5

Las zonas sin información aun presentes periodos serán completadas con la Serie 1990-2012

SIN INFO: 9

Revisar con las imágenes de reflectancia las falsas deforestaciones

Falsa deforestación COD 10

Revisar con las imágenes de reflectancia bajo la máscara de No Bosque zonas faltantes de bosque

Falsa Regeneración COD 11

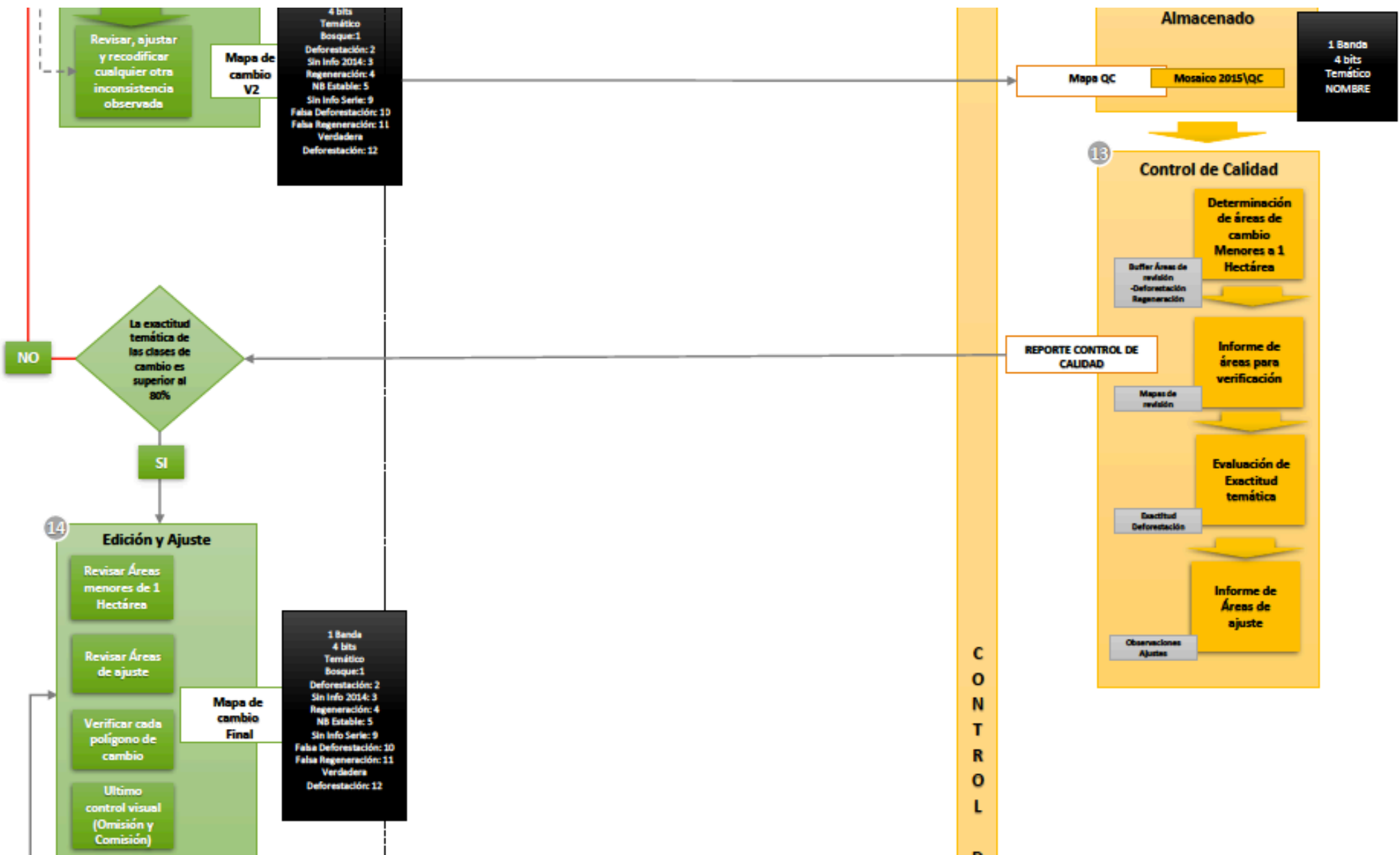
Revisar, ajustar y recodificar cualquier otra inconsistencia observada

Mapa de cambio V2

1 Banda  
4 bits  
Temático  
Bosque:1  
Deforestación: 2  
Sin Info 2014: 3  
Regeneración: 4  
NB Estable: 5  
Sin Info Serie: 9  
Falsa Deforestación: 10  
Falsa Regeneración: 11  
Verdadera Deforestación: 12

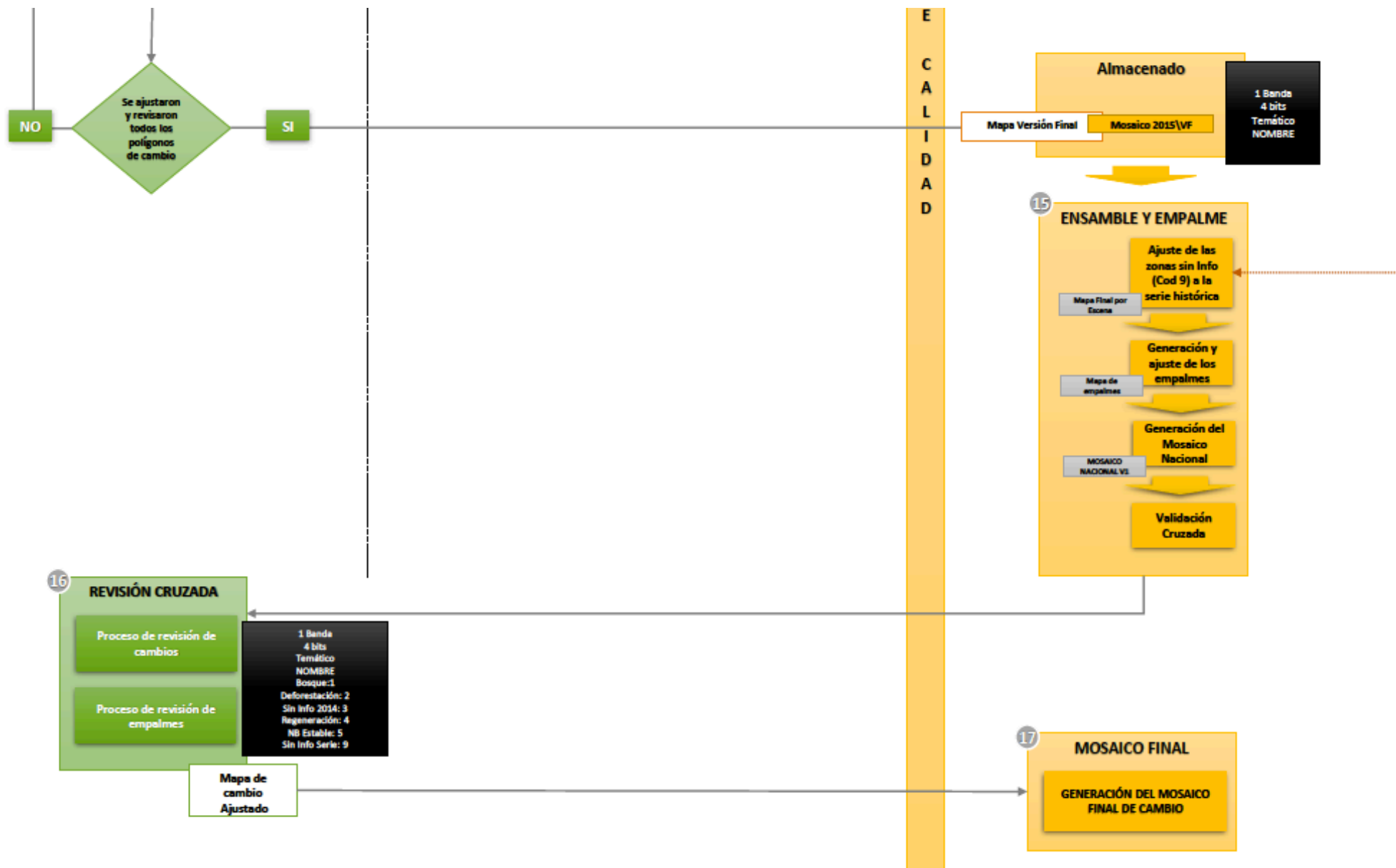
Corresponding Technical Process Steps Evaluated during Validation and Verification

Phase 2. Digital Satellite Image Processing (FREL Annex A – Step 4.3)	
8.	Change Detection
9.	Visual verification of changes by interpreter
10.	Quality control and adjustments during process
11.	Image recoding, cross-validation and final mosaic



Corresponding Technical Process Steps Evaluated during Validation and Verification

Phase 2. Digital Satellite Image Processing (FREL Annex A – Step 4.3)	
8.	Change Detection
9.	Visual verification of changes by interpreter
10.	Quality control and adjustments during process
11.	Image recoding, cross-validation and final mosaic



Corresponding Technical Process Steps Evaluated during Validation and Verification

Phase 2. Digital Satellite Image Processing (FREL Annex A – Step 4.3)	
8.	Change Detection
9.	Visual verification of changes by interpreter
10.	Quality control and adjustments during process
11.	Image recoding, cross-validation and final mosaic