



Deliverable format — sample

The shape of the package a job is delivered in. Every page here is built from sample files.

This is the package a job ends in. The pages that follow are its structure: the frame index, the fingerprint manifest, a correction filed on top of the original, and the export log. In your package each frame block carries your own imagery, and that imagery stays yours.

What is real in this document

The fingerprints are working output. Five placeholder text files stand in for a capture — four frames and one flight log — and they were run through the tool the capture procedure calls for. The values on page 4, and the root that covers them, are what that tool produced.

The root is computed over four things, all printed on page 4: the format label, the job reference, the timestamp, and one line per file. With those, the root can be recomputed with sha256sum and no files at all. The command is printed there.

The capture rows on page 3 are illustrative: a local sample grid, and dates from 2020. They are there to show the columns, not to describe a flight.

your frame goes here — sample layout

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What the record is made of

Four parts. Each one answers a question somebody asks later, when the job is over and the answer has to come from the file.

A A frame index

One row per frame: when it was taken, where the aircraft was, how high, which way it was pointing, and the fingerprint of the file. The index is what makes a package searchable a year later.

B A fingerprint manifest

Every file gets a SHA-256 computed at ingest, and a single root value covers the whole folder. Anyone can recompute both. That is what turns a folder of images into a record that can answer for itself.

C Corrections filed on top

The original is closed and stays as taken. A correction is deposited on top of it, with its own timestamp and its own root, and both layers remain in the package.

D An export log

What left the archive, when, in what format, to whom, and who authorised it. It is the control a client actually wants, and it is the same line that proves nothing else left.

The limit, stated plainly

The timestamp on a frame is the one the operator wrote at capture. A fingerprint proves the file has not changed since it was taken in; it does not prove what a camera was pointed at. What the root shows is that the header stands as written and that no file moved after the folder was closed.

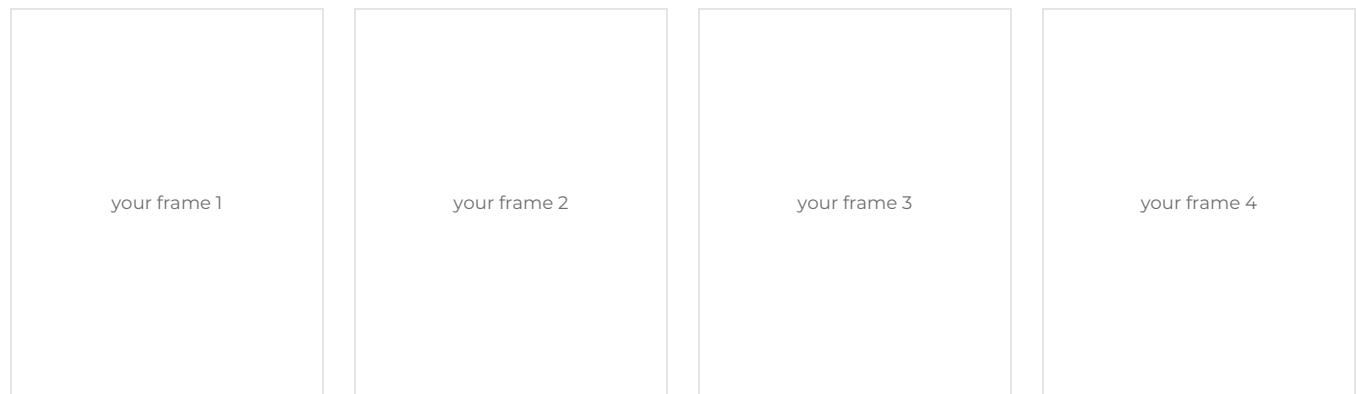


Frame index

One row per frame. Sample values throughout.

FRAME	CAPTURED	EASTING	NORTHING	HEIGHT	HDG	FINGERPRINT (first 16)
1	2020-01-01 09:12	1000.00	1000.00	200 ft	090	177f45ae5ea0f022
2	2020-01-01 09:14	1025.00	1000.00	200 ft	090	da303024612f676d
3	2020-01-01 09:16	1050.00	1000.00	200 ft	090	b9fb0f629f61ba47
4	2020-01-01 09:18	1075.00	1000.00	200 ft	090	b50c370b57968ba0

The flight log for the pass is carried in the package as its own file, and it is fingerprinted with the frames.



Grid — the easting and northing above belong to a local sample grid written for this document. They are not a place. Production work is delivered in EPSG:32161, the Puerto Rico State Plane grid.

Height — stated above ground level, which is how the Part 107 ceiling is written.



Integrity sheet

The fingerprint manifest the capture tool writes into the folder. Everything below is that tool's own output, reproduced.

The four inputs the root is computed over

format label	projetcorp/sello-v2	identifies how the root is computed
job reference	SAMPLE-0000	
timestamp	2026-09-07T03:50:12.250845-04:00	enters the root: changing it breaks the fingerprint
files	5, listed below with one line each	

SHA-256

9c9b59d006e8097b3eb167b60c66523b	6ded6d6206713713a4cb42752cfe5325
177f45ae5ea0f02282204ac0d78cdfc3	f843d50d12404228d512b38fbc695553
da303024612f676dfa59bf6cecf49297	c7e1a5bffc2b7b84cace3258cc838021
b9fb0f629f61ba472f3eaa27beb5cc2a	2d98e9a68e5ec3fab380c6507f06e306
b50c370b57968ba04632cc61b285f466	738d06cbaa37837409cde0d588d1f050

FILE

sample-capture-log.csv
sample-frame-0001.txt
sample-frame-0002.txt
sample-frame-0003.txt
sample-frame-0004.txt

ROOT 1b65e906002fe14ae6c91f6955afa064
ba2d5dd992ec0f86a0ad3c5120a9c86e

Recompute it yourself, from this page alone. No files needed — the four inputs above are all of it.

```
printf 'formato\000projetcorp/sello-v2\nencargo\000SAMPLE-0000\nsello\0002026-09-07T03:50:12.250845-04:00\n--\n\nsample-capture-log.csv\0009c9b59d006e8097b3eb167b60c66523b6ded6d6206713713a4cb42752cfe5325\n\nsample-frame-0001.txt\000177f45ae5ea0f02282204ac0d78cdfc3f843d50d12404228d512b38fbc695553\n\nsample-frame-0002.txt\000da303024612f676dfa59bf6cecf49297c7e1a5bffc2b7b84cace3258cc838021\n\nsample-frame-0003.txt\000b9fb0f629f61ba472f3eaa27beb5cc2a2d98e9a68e5ec3fab380c6507f06e306\n\nsample-frame-0004.txt\000b50c370b57968ba04632cc61b285f466738d06cbaa37837409cde0d588d1f050\n\n'| sha256sum
```

The three-zero escape is not a typo: printf reads up to three octal digits after a backslash-zero, so a bare \0 followed by a digit becomes a different byte and the root will not match.



A correction, and what leaves

Two things happen after a capture folder is closed: corrections get filed on top of it, and copies go out. Both are written down.

THE ORIGINAL ROW, AS TAKEN

3 2020-01-01 09:16 E 1050.00 N 1000.00 200 ft 090

sample-frame-0003.txt · unchanged, and it stays that way

Correction 001, filed on top

The flight log for that pass reads a heading of 270. The row above is left as taken; this note states the corrected value and is fingerprinted on its own.

filed 2026-09-07T03:50:12.710860-04:00
root de39a5ad32c7401bf086f0ac1f424ccfdbd27e078596...

Two folders, two roots, two timestamps. Reading them in order tells you what was captured and what was said about it afterwards — which is the question a record has to answer when somebody asks it a year later.

Why it works this way

A record that can be edited on request does not defend anybody. The first question a reader asks is who decided what to keep. Filing a correction on top costs one extra folder and answers that question for good: the original is still there, and so is the correction, and the order between them is fixed by their timestamps.

What leaves, and who said so

The export log: what left the archive, when, to whom, and who authorised it. Sample rows.

DATE	WHAT LEFT	FORMAT	TO	CHANNEL	AUTHORISED BY
2020-01-08	frame index + manifest	PDF	sample client	link	client contact
2020-01-08	capture folder	ZIP	sample client	link	client contact
2020-02-03	correction 001	PDF	sample client	link	client contact

It serves two purposes at once, and that is why it is part of the product rather than paperwork: it shows a reader that nothing was altered, and it shows a client exactly what left and who received it.

When the job closes

Imagery is returned or destroyed on the terms the job was taken under, with written confirmation of what went and when. What survives is this log and the fingerprint manifest — file names and SHA-256 values, from which no image can be rebuilt. That is what proves the work existed and that nothing moved.