DATA ENGINEERING · OPERATIONS BRIEF

DATA FLOW RECOVERY CHECKLIST

A completed fictional example, then a 6-item grid to prepare the recovery of one specific flow. The checklist shows what must be checked, by whom, and where to find the evidence; it does not replace test results.

2-page checklist: page 1, completed fictional example; page 2, 6 fields to fill in directly in the PDF. Typed text is kept when you save.

Online article:
https://datanalysis.re/ressources/data-engineering/resuming-data-flow-without-duplicate-effects

Completed example (fictional)

Item	Fictional example: batch of orders
01 Business intent and key	Record a batch of orders. Stable batch key, identical across attempts of the same request; a new business request gets another key, even if some values are equal.
02 Destination and reference state	Orders database: it is authoritative on the batch state. Known period during which a replay is supported and the key is retained.
03 Writes and effects	Order insert, notification, invoice, write in another system: each effect identified and tested within its own scope; write protected by a uniqueness constraint, a transaction or the destination API's idempotency.
04 Concurrency and lost-confirmation tests	Confirmation lost after the write, two concurrent attempts, same key with modified content, late replay, partial effect, uncertain destination result; fictional data and expected results defined in advance.
05 Recovery and exceptions	Initial result retrievable through a usable reference; outputs to suspend if the result is uncertain; reconciliation before any new attempt; same key with different content: agreed rejection, conflict or correction workflow.
06 Owner, evidence and review date	Named owner for exceptions; evidence per effect: request, key, expected and observed result; date of the next review (fictional example: no real date).

Fictional teaching scenario; no client results.

YOUR RECOVERY: 6 FIELDS TO FILL IN

01 Business intent and key

02 Destination and reference state

03 Writes and effects

04 Concurrency and lost-confirmation tests

05 Recovery and exceptions

06 Owner, evidence and review date

→ Scope the recovery of my data flow: https://datanalysis.re/contact?lang=en