



Evaluation of version 5.0 against 4.2 in service

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Fraud detection engine · 640 files · fictional document

Fictional document — demonstration example

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Fictional document, produced for the demonstration. The versions, files and every result are invented.

Results by family

Family	Version 5.0	Version 4.2 in service	Threshold set in advance	Reading
Routine treatments	94.1%	92.6%	$\geq 92\%$	5.0 does better; both clear the threshold
Atypical treatments	71.3%	78.0%	$\geq 76\%$	5.0 falls below the threshold; the gap is clear
Degraded wording	88.4%	88.1%	$\geq 85\%$	Not significant at this volume

Family	Version 5.0	Version 4.2 in service	Threshold set in advance	Reading
Out-of-scope files	99.2%	99.4%	≥ 99%	Both clear the threshold

What the drop on atypical treatments means for a member

A drop on atypical treatments produces **fraud flags on files that are not fraud** — and therefore delayed reimbursements for members who have done nothing wrong. That is the consequence to be weighed, not the percentage point.

The dataset's limits, written before the decision

Limit	Scope
The 640 files come from the last twelve months	A novel treatment is not tested; the result does not extend to it
The "degraded wording" family holds 80 cases	A gap under one point is not interpretable there
Files from the two delegated agents are not in the dataset	The result says nothing about their book

The proposal, and what remains to be decided

Proposal: move to 5.0 on routine treatments, **keep 4.2 on the atypical queue** until a second campaign. 4.2 stays deployed and reachable; the reverse switch is written and tested. **The go-live authorisation belongs to the risk committee**, and it will carry its name, its date and its reason.

Committee decision _____ · date _____ · reservation _____ · second campaign deadline _____

Scope of this document: the service operated by Blue Lemon Agent. For an agent deployed at your premises, the applicable location is that of the architecture set out in the quotation and verified before commissioning; local execution is announced only for the configuration explicitly described and accepted in the quotation; the applicable isolation depends on the deployment mode set out in the quotation, no dedicated isolation being presumed; the encryption mechanisms in transit and at rest, their components and key management are those documented for the architecture chosen; roles and permissions are configured and accepted for the identities and systems actually connected; the events logged, their content, their retention period and who may access them are defined for the deployment chosen.