

Refinery Delivery SOP

Operations Playbooks · Published by UnyKorn LLC (Wyoming), technology provider · September 2026

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PHYSICAL REFINERY INTAKE & VAULT ENCLAVE SOP

Standard Operating Procedure: Doré Transport, LBMA Assay, and Bar Passport Enrollment

Phase A: Armored Transport & Refinery Receipt

1. **Armored Carrier:** Unrefined doré bars are transported from mine site to refinery via certified armored transit (an armoured logistics provider (to be appointed), Loomis International, or a secure logistics provider (to be appointed)).
2. **Chain of Custody Tracking:** Real-time GPS and tamper-evident seal verification logged on the DGX L1 audit channel.
3. **Refinery Intake:** Delivered to accredited LBMA Good Delivery refiner: * an accredited LBMA refinery (Balerna, Switzerland) * an accredited LBMA refinery (Castel San Pietro, Switzerland) * an accredited LBMA refinery (Mendrisio, Switzerland) * The an accredited LBMA refinery (Perth, Australia)

Phase B: Smelting, Fire Assay & Good Delivery Casting

1. **Melting & Homogenization:** Doré is melted and sampled via vacuum pin tube.
2. **Independent Fire Assay:** Double fire assay testing to establish fine gold content to four decimal places (minimum 999.9 parts per thousand).
3. **Casting into LBMA 400 oz Bars:** Cast into standard Good Delivery bars stamped with refiner seal, serial number, year of manufacture, and fineness mark.

Phase C: Depository Vault Intake & Blockchain Bar Passport Enrollment

1. **Vault Transfer:** Armored transfer from refinery into bonded vault enclaves: * **Zurich Freezone (Embrach / Kloten, Switzerland)** * **London LBMA Depository Vaults (United Kingdom)** * **Delaware Depository (Wilmington, USA)**
2. **Specie Policy Activation:** Bars enrolled under master policy (\$1,000,000,000 coverage limit).

3. **Cryptographic Enrollment:** The DGX Trustee issues `dgx_enrollBarPassport` on-chain: * Bar Serial Number * Gross Weight & Fine Weight * Assay Fineness (9999) * Vault Enclave & Bin Coordinates * the specie underwriter Insurance Certificate IPFS Hash
4. **Token Minting:** 1:1 DGX Bullion Tokens are minted to the SPV Trust allocation address.