

## # Fraud Case Report — C4187fa2025f1

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### ## Transaction

- txn\_id: T126900725
- user\_id: U1005 (grade=D)
- type: transfer
- status: approved
- amount: 175.43 ZAR
- merchant: Grocery (mcc=5411)
- channel: card\_not\_present
- country: KE (home=NG)
- device\_id: D05000
- ip\_address: 10.0.5.97

### ## Decision

- Decision: **\*\*BLOCK\*\***
- Recommended action: High-confidence fraud: CNP + geo mismatch + velocity

### ## Evidence

- Risk level: HIGH (score=72)
- Reasons: Lower customer grade: D, Card-not-present, Geo mismatch vs home, High-risk transaction type
- User avg amount (last 80): 477.03
- Velocity proxy (15): 15
- User status counts: {'approved': 89, 'declined': 22, 'reversed': 3, 'chargeback': 6}
- User type counts: {'transfer': 47, 'subscription': 15, 'refund': 15, 'purchase': 30, 'cash\_withdrawal': 13}
- IP/device reuse top: [('U1005', 200)]

### ## Rationale

- Risk HIGH (score=72).
- Geo mismatch relative to customer profile.
- High velocity behavior consistent with burst activity.
- High-risk type combined with CNP channel increases fraud likelihood.
- IP/device reuse pattern across multiple users is suspicious.