

## # Fraud Case Report — C4ab671096275

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### ## Transaction

- txn\_id: T389301670
- user\_id: U1002 (grade=B)
- type: transfer
- status: approved
- amount: 589.43 GBP
- merchant: Digital Goods (mcc=5816)
- channel: card\_not\_present
- country: ZA (home=GB)
- device\_id: D02000
- ip\_address: 10.0.2.137

### ## Decision

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

### ## Evidence

- Risk level: HIGH (score=69)
- Reasons: Card-not-present, Geo mismatch vs home, High-risk transaction type: transfer, Amount >= 500
- User avg amount (last 80): 530.11
- Velocity proxy (15): 15
- User status counts: {'approved': 98, 'declined': 15, 'chargeback': 5, 'reversed': 2}
- User type counts: {'transfer': 48, 'refund': 15, 'purchase': 29, 'subscription': 14, 'cash\_withdrawal': 14}
- IP/device reuse top: [('U1002', 200)]

### ## Rationale

- Risk HIGH (score=69).
- 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.