

Fraud Case Report — Cba9f52c02483

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Transaction

- txn_id: T596499591
- user_id: U1004 (grade=A)
- type: purchase
- status: approved
- amount: 2468.58 GBP
- merchant: Online Electronics (mcc=5411)
- channel: card_not_present
- country: GB (home=AE)
- device_id: D04000
- ip_address: 10.0.4.171

Decision

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

Evidence

- Risk level: HIGH (score=75)
- Reasons: Card-not-present, Geo mismatch vs home, High amount ≥ 1000 , High-risk merchant category
- User avg amount (last 80): 596.74
- Velocity proxy (15): 15
- User status counts: {'approved': 89, 'chargeback': 5, 'reversed': 4, 'declined': 22}
- User type counts: {'purchase': 32, 'refund': 20, 'cash_withdrawal': 18, 'subscription': 11, 'transfer': 39}
- IP/device reuse top: [('U1004', 154)]

Rationale

- Risk HIGH (score=75).
- Geo mismatch relative to customer profile.
- Amount significantly above customer baseline ($\geq 3x$).
- High velocity behavior consistent with burst activity.
- IP/device reuse pattern across multiple users is suspicious.