

HUNCH Oracle V6.3 Final Audit Report

ICC Men's T20 World Cup 2026 Prediction Markets

Document Version: 1.0 **Release Status:** Release Candidate v2.3.2 **Audit Date:** January 26, 2026 **Network:** TON Blockchain (Mainnet & Testnet)

1. Executive Summary

This audit report documents the successful deployment of V6.3 prediction markets for the ICC Men's T20 World Cup 2026 on the TON blockchain. Three mainnet markets and four testnet markets have been deployed, integrated with Supabase caching, and made available through a unified frontend application.

Key Achievements

- **3 Mainnet Markets** deployed and operational
- **4 Testnet Markets** deployed for testing
- **Unified Frontend** with network switching capability
- **Supabase Integration** for instant market loading
- **Market Maker Documentation** prepared for integration

2. Smart Contract Deployment

2.1 Mainnet Infrastructure

Component	Address
Master Oracle (V6.2)	EQB4nPFKiajN2M_5ZTo83MQ9rRMUzPq0pkSEU33RH877cW3J
HNCH Jetton Master	EQCxEmUtQJKFnGfaR0TK0t1lZbDiX1kCixRv7Nw2Id_sDs
Fee Distributor	EQC_-0Kbff12k3NLqCqnqVEaVPDN1KD001FpxrV_X2WxVN0g
Deployer Wallet	UQBTNdmTPpYGrWqKzcbaZsbXH0rImwcp7yPQ-htNDs199P2D

2.2 Mainnet V6.3 Markets

Market #201: Associate Member Team Qualification

Field	Value
Contract Address	EQC_VsNJ-J_HSsmx0Y1QFS8E0LK6rCWXPXQFE0oxl1Hueo7
Question	Will at least one Associate Member team qualify for the Super 8 stage?
Resolution Deadline	February 21, 2026 00:00 UTC
Category	Cricket

Resolution Rules:

- Resolves YES if any Associate Member team (USA, Scotland, Nepal, Namibia, Italy, Oman, Papua New Guinea, Uganda) qualifies for Super 8
- Resolves NO if all eight Super 8 qualifiers are Full Member nations

Market #202: Ahmedabad Final Venue

Field	Value
Contract Address	EQCDuW199q4qRQvhNEUISARBVLQv2dzIZyloarWHTFWex51s
Question	Will the 2026 T20 World Cup Final be held in Ahmedabad?
Resolution Deadline	March 6, 2026 00:00 UTC
Category	Cricket

Resolution Rules:

- Resolves YES if Final is played at Narendra Modi Stadium, Ahmedabad
- Resolves NO if Final moves to Colombo (triggered if Pakistan reaches final)

Market #203: India Championship

Field	Value
Contract Address	EQDiIaoH-6tkypJpRF0yKTKLbgRhYCeohdRHvtbotDBpUW_b
Question	Will India win the 2026 ICC Men's T20 World Cup?
Resolution Deadline	March 10, 2026 00:00 UTC
Category	Cricket

Resolution Rules:

- Resolves YES if India wins the Final
- Resolves NO if any other team wins, India eliminated, or tournament cancelled

2.3 Testnet Infrastructure

Component	Address
Master Oracle (V6.2)	kQB0-cZMdJU01x1H1bB8Mn7AjF55QenaqRkq0_a5JPcqLbf

2.4 Testnet V6.3 Markets

ID	Question	Contract Address
101	Will this resolve to YES? (Test)	kQDfp5UzzqG0fgn20V_waUKdRibJB5qvcbu7xkhao4uNRL7a
102	Will India win the 2026 ICC Men's T20 World Cup?	kQDAQgBDY8Hka6Jn-gmPgE95Q_X-J2RRdes0C6kqDJ61oHvL
103	Will the 2026 T20 World Cup Final be held in Ahmedabad?	kQAhDEt2GwdhEd0VGuYzPEX7zUaUBFimx6qgPUWHk-Bnwo7J
104	Will at least one Associate Member team qualify for Super 8?	kQCQueuPJYMfDofR0v0rYyevQwMGk4AI46vAq_JQPQkHNrdM

3. Frontend Application

3.1 Deployment Details

Field	Value
URL	https://hunch-oracle-app.vercel.app

Version	v2.3.2
Platform	Vercel
Framework	React + Vite + TypeScript

3.2 Features

- **Network Switcher:** Toggle between mainnet and testnet
- **Market Display:** Shows only V6.3 markets (filtered by ID range)
- **Wallet Connection:** TonConnect integration
- **Supabase Cache:** Instant market loading from database

3.3 Key Files

File	Purpose
src/hooks/useMarketsCache.ts	Market fetching with V6.3 filtering
src/components/Header.tsx	App header with version and network switcher
src/config/supabase.ts	Supabase client configuration
src/config/networks.ts	Network configuration

4. Database Integration

4.1 Supabase Configuration

Field	Value
Project URL	https://sjxzalzkxrxcdwild.supabase.co
Table	markets
Access	Row Level Security enabled

4.2 Market ID Scheme

Network	V6.3 ID Range	Filter Applied
Testnet	101-104	ID 101-999
Mainnet	201-203	ID 201-999

Note: V6.2 markets with large IDs (1769380451+) are excluded by the upper bound filter.

5. Security Audit

5.1 Smart Contract Security

Check	Status
Market creation requires HNCH fee	PASS
Resolution deadlines immutable after deployment	PASS
Only authorized wallets can propose outcomes	PASS

Challenge mechanism with bond escalation	PASS
Veto guard protection enabled	PASS

5.2 Frontend Security

Check	Status
No sensitive keys in client code	PASS
Supabase anon key (read-only) used for client	PASS
Service role key in environment variables only	PASS
TonConnect secure wallet integration	PASS

5.3 API Security

Check	Status
Supabase Row Level Security enabled	PASS
Insert operations require service role	PASS
Read operations use anon key	PASS

6. Tournament Timeline

Event	Date	Unix Timestamp
Tournament Start	February 7, 2026	1738886400
Group Stage Ends	February 20, 2026	1771545600
Market #201 Resolution	February 21, 2026	1771632000
Semi-Final 2	March 5, 2026	1772668800
Market #202 Resolution	March 6, 2026	1772755200
Final	March 8, 2026	1772928000
Reserve Day	March 9, 2026	1773014400
Market #203 Resolution	March 10, 2026	1773100800

7. Market Maker Integration

7.1 Trading Op Codes

Operation	Op Code	Description
Buy YES	0x00000001	Purchase YES position
Buy NO	0x00000002	Purchase NO position
Propose Answer	0x00000003	Submit resolution proposal
Challenge	0x00000004	Challenge proposed outcome

Settle	0x00000005	Finalize market resolution
Redeem	0x00000006	Claim winnings

7.2 API Endpoints

Get All Mainnet Markets:

```
GET https://sjxzalzokkxrxcdwild.supabase.co/rest/v1/markets?network=eq.mainnet&id=gte.201&id=lte.999
Header: apikey: <anon-key>
```

Get Single Market:

```
GET https://sjxzalzokkxrxcdwild.supabase.co/rest/v1/markets?id=eq.201
Header: apikey: <anon-key>
```

8. Version Control

8.1 Git Commits (Frontend)

Commit	Message
3801fcc7	docs: Add Release Candidate v2.3.2 report
eac1496d	fix: Filter out V6.2 markets with large IDs
b58e2a67	fix: Filter to show only V6.3+ markets
86797248	feat: Add V6.3 ICC T20 World Cup 2026 markets support

8.2 Git Commits (Contracts)

Commit	Message
b63c289	docs: Add V6.3 deployment report for market maker frontend
821a382	feat: V6.3 ICC T20 World Cup 2026 markets deployment

9. Known Issues & Recommendations

9.1 Technical Debt

Issue	Priority	Recommendation
Hardcoded ID ranges for filtering	Medium	Implement version field in database
V6.2 markets still in Supabase	Low	Clean up old records
Large bundle size (1.1 MB)	Medium	Implement code splitting

9.2 Future Enhancements

Enhancement	Priority	Effort
Real-time market updates via Supabase	High	Medium

Trading interface (buy YES/NO)	High	High
Resolution proposal UI	High	Medium
Mobile responsiveness	Medium	Medium
Multi-language support	Low	High

10. Testing Summary

10.1 Verified Functionality

Test Case	Status
Mainnet displays exactly 3 V6.3 markets	PASS
Testnet displays exactly 4 V6.3 markets	PASS
Network switcher functions correctly	PASS
Markets load from Supabase cache	PASS
Version badge displays v2.3.2	PASS
TonConnect wallet connection	PASS

10.2 Pending Tests

Test Case	Status
End-to-end trading flow	PENDING
Market resolution flow	PENDING
Mobile device compatibility	PENDING
Load testing with high traffic	PENDING

11. Deployment Checklist

Item	Status
Smart contracts deployed to mainnet	COMPLETE
Smart contracts deployed to testnet	COMPLETE
Markets inserted into Supabase	COMPLETE
Frontend deployed to Vercel	COMPLETE
Documentation created	COMPLETE
Market maker report prepared	COMPLETE
Release candidate tagged	COMPLETE

12. Sign-Off

This audit report confirms that the HUNCH Oracle V6.3 deployment for ICC Men's T20 World Cup 2026 prediction markets has been completed successfully. All mainnet and testnet contracts are operational, the frontend is live, and documentation is in place for future development and market maker integration.

Release Status: APPROVED FOR RELEASE CANDIDATE

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