Voice Conversation Consent Management

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Definition and Core Concept

- **The Challenge**: Conversations contain sensitive data requiring proper consent management
- **Current Gap**: No standardized mechanism for recording and verifying consent in conversation containers
- **Privacy Compliance**: Organizations struggle with GDPR, CCPA, HIPAA requirements for communications data
- **Solution Overview**: vCon consent attachment provides structured consent management within conversation containers

How it Works

Required Fields

- expiration: RFC3339 timestamp for validity period
- party: Zero-based index to vCon parties array
- dialog: Zero-based index to conversation segment
- consents: Array of specific permissions granted

Optional Enhancements

- Terms of service references
- Status monitoring intervals
- SCITT consent ledger integration
- Cryptographic proof objects

Advanced Capabilities

Temporal Management

- Configurable expiration handling
- Clock skew tolerance (max 5 minutes)
- Status verification intervals based on data sensitivity

Consent Ledger Integration

- SCITT Transparency Service support
- Cryptographic receipts for consent operations
- Real-time consent status verification

Granular Controls

- Purpose-based permissions (recording, transcription, analysis, storage, sharing)
- Consent revocation mechanisms
- Privacy-preserving verification