Developer integration guide

How wallets, exchanges and applications can integrate USDN on Neo Smart Chain.

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1. Overview

USDN is a fungible token on Neo Smart Chain. Because the network is EVM-compatible, it can be used with standard JSON-RPC endpoints and common libraries such as ethers, viem and web3.js.

2. Network and token details

Item	Value
Network name	Neo Smart Chain
RPC URL	[JSON-RPC endpoint]
Chain ID	[chain ID]
Native gas asset	[symbol]
Block explorer	[explorer URL]
Token name and symbol	USD Neo, USDN
Decimals	[confirm: 6 or 18]
Contract address	[Neo Smart Chain contract address]

3. Read a balance

```
import { Contract, JsonRpcProvider, formatUnits } from 'ethers'

const provider = new JsonRpcProvider(process.env.NEO_SMART_CHAIN_RPC_URL)
```

```
const abi = [
'function balanceOf(address) view returns (uint256)',
'function decimals() view returns (uint8)',
]

const usdn = new Contract(process.env.USDN_ADDRESS!, abi, provider)
const [raw, decimals] = await Promise.all([
usdn.balanceOf('0xYourAddress'),
usdn.decimals(),
])

console.log(formatUnits(raw, decimals) + ' USDN')
```

4. Transfer USDN

```
import { Contract, JsonRpcProvider, Wallet, parseUnits } from 'ethers'

const provider = new JsonRpcProvider(process.env.NEO_SMART_CHAIN_RPC_URL)
const signer = new Wallet(process.env.PRIVATE_KEY!, provider)
const abi = ['function transfer(address to, uint256 amount) returns (bool)']

const usdn = new Contract(process.env.USDN_ADDRESS!, abi, signer)
const tx = await usdn.transfer('0xRecipient', parseUnits('25', 6))
await tx.wait()
```

5. Integration checklist for exchanges and wallets

- Confirm the contract address against neosmartchain.com/tokens/usdn.
- Read decimals from the contract instead of hard-coding them.
- Wait for the number of confirmations you require before crediting deposits.
- Handle the pause and address-restriction controls described in the whitepaper: transfers can fail while they are active.
- Subscribe to the Transfer event to track deposits and withdrawals.
- Never display or rely on a contract address that is not published on this site.

6. Other blockchains

Each additional blockchain has its own contract address, listed on the token page. Do not reuse an address across networks. Cross-chain transfers use [confirm: bridge mechanism] and are documented in the chain-specific guide when available.

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