

ISO/IEC JTC 1/SC 2/WG 2
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646¹

Please fill all the sections A, B and C below.

Please read Principles and Procedures Document (P & P) from <http://www.dkuug.dk/JTC1/SC2/WG2/docs/principles.html> for guidelines and details before filling this form.

Please ensure you are using the latest Form from <http://www.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html>.

See also <http://www.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html> for latest Roadmaps.

A. Administrative

1. Title: Addition of BITCOIN SIGN
2. Requester's name: Sander van Geloven
3. Requester type (Member body/Liaison/Individual contribution): individual contribution
4. Submission date: 24 March 2011
5. Requester's reference (if applicable): ✓
6. Choose one of the following:
 This is a complete proposal: yes
 (or) More information will be provided later: no

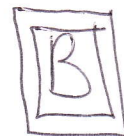
B. Technical – General

1. Choose one of the following:
 a. This proposal is for a new script (set of characters): no
 Proposed name of script: _____
 b. The proposal is for addition of character(s) to an existing block: yes
 Name of the existing block: Currency Symbols
2. Number of characters in proposal: 1
3. Proposed category (select one from below - see section 2.2 of P&P document):
 A-Contemporary ✓ B.1-Specialized (small collection) _____ B.2-Specialized (large collection) _____
 C-Major extinct _____ D-Attested extinct _____ E-Minor extinct _____
 F-Archaic Hieroglyphic or Ideographic _____ G-Obscure or questionable usage symbols _____
4. Is a repertoire including character names provided?
 a. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&P document? yes
 b. Are the character shapes attached in a legible form suitable for review? yes
5. Fonts related:
 a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the standard? Sander van Geloven
 b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.):
sander@hellebaard.nl Jungfrau 48, 3524 WK Utrecht, Netherlands
6. References:
 a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided? yes
 b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached? yes
7. Special encoding issues:
 Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)? yes

8. Additional Information:

Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at <http://www.unicode.org> for such information on other scripts. Also see Unicode Character Database (<http://www.unicode.org/reports/tr44/>) and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

¹ Form number: N3902-F (Original 1994-10-14; Revised 1995-01, 1995-04, 1996-04, 1996-08, 1999-03, 2001-05, 2001-09, 2003-11, 2005-01, 2005-09, 2005-10, 2007-03, 2008-05, 2009-11, 2011-03)



Bitcoin

From Wikipedia, the free encyclopedia

Bitcoin is a digital currency created in 2009 by Satoshi Nakamoto. The name also refers to the open source software he designed that uses it, and the peer-to-peer network that it forms. Unlike most currencies, bitcoin does not rely on trusting any central issuer. Bitcoin uses a distributed database spread across nodes of a peer-to-peer network to journal transactions, and uses cryptography in order to provide basic security functions, such as ensuring that bitcoins can only be spent by the person who owns them, and never more than once.

Bitcoin's design allows for anonymous ownership and transfers of value. Bitcoins can be saved on a personal computer in the form of a *wallet file* or kept with a third party *wallet service*, and in either case Bitcoins can be sent over the Internet to anyone with a *Bitcoin address*. Bitcoin's peer-to-peer topology and lack of central administration make it infeasible for any authority, governmental or otherwise, to manipulate the value of bitcoins or induce inflation by producing more of them.

Bitcoin is one of the first implementations of a concept called cryptocurrency, first described in 1998 by Wei Dai on the cypherpunks mailing list.^[1]

Bitcoin



Developer(s)	Satoshi Nakamoto, Gavin Andresen
Initial release	February 4, 2009
Stable release	0.3.20.2 / March 3, 2011
Development status	Beta
Written in	C++
Operating system	Windows, Linux, Mac OS X
Size	5.2 MiB - 9.7 MiB
Available in	German, Spanish, French, Dutch, Portuguese, Italian and Russian.
Type	Electronic money
License	MIT License
Website	bitcoin.org (http://www.bitcoin.org/)

Contents

- 1 Overview

1rYK1YzEGa59pI314159KUF2Za4jAYYTd. Bitcoin users can own multiple addresses, and in fact can generate new ones without any limit, as generating a new address requires relatively little computing, simply equivalent to generating a public/private key pair, and requires no contact with any nodes of the network. Creating single-purpose/single-use addresses can help preserve a user's anonymity.^[*citation needed*]

Transactions

Bitcoins contain the current owner's public key (address). When user *A* transfers some to user *B*, *A* relinquishes ownership on them by adding *B*'s public key (address) to those coins and signing them with his own private key.^[4] He then broadcasts these bitcoins in an appropriate message, the *transaction*, on the peer-to-peer network. The rest of the network nodes validate the cryptographic signatures and the amounts of the transaction before accepting it.

Block-chain

software to take advantage of their GPUs.^{[3][8][9]} Users can also generate bitcoins collectively.^[10]

So that one block gets generated every ten minutes, each node separately readjusts the difficulty of the problem it tries to solve every two weeks according to any changes of the collective CPU-power of the peer-to-peer network.
[citation needed]

Transaction fees

Because nodes have no obligation to include transactions in the blocks they generate, Bitcoin senders may voluntarily pay a transaction fee. Doing so will speed up the transaction and provide incentive for users to run nodes, especially as the difficulty of generating bitcoins increases or the reward per block amount decreases over time. Nodes collect the transaction fees associated with all transactions included in their candidate block.^[3]

Economics

The Bitcoin economy is still small relative to long-since established economies and the software is still in the beta stage of development. But real goods and services, such as used cars and freelance software development contracts, are now being traded. Bitcoins are accepted for both online services and tangible goods.^[13] The Electronic Frontier Foundation and Singularity Institute accept bitcoin donations.^{[14][15]} Traders exchange regular currency (including US dollars, Russian rubles, and Japanese yen) for bitcoins through exchange sites.^{[16][17]}

Bitcoin	
ISO 4217 Code	none ^[11] ; BTC used colloquially ^[12]
User(s)	Supranational, Internet-based
Inflation	Approximately predetermined ^[2]
Central bank	None; decentralized, distributed

Anyone can view the block-chain and observe transactions in real-time. Various services facilitate such monitoring.^{[18][19]}

Monetary differences

[*citation needed*]

See also

- Anonymous internet banking
- Crypto-anarchy
- DigiCash
- eCache
- GoldMoney
- Hashcash
- Pecunix
- Ripple monetary system
- Yodelbank

References

1. ^ <http://weidai.com/bmoney.txt>
2. ^ ***a b c d e f*** Nakamoto, Satoshi (24 May 2009). *Bitcoin: A Peer-to-Peer Electronic Cash System* (<http://www.bitcoin.org/sites/default/files/bitcoin.pdf>) . <http://www.bitcoin.org/sites/default/files/bitcoin.pdf>. Retrieved 14 December 2010.
3. ^ ***a b c d e*** Nathan Willis (2010-11-10). "Bitcoin: Virtual money created by CPU cycles" (<http://lwn.net/Articles/414452/>) . LWN.net. <http://lwn.net/Articles/414452/>.
4. ^ <https://en.bitcoin.it/wiki/Transactions>
5. ^ "Bitcoin Wiki: Block Hashing Algorithm" (http://www.bitcoin.org/wiki/doku.php?id=block_hashing_algorithm) . http://www.bitcoin.org/wiki/doku.php?id=block_hashing_algorithm.
6. ^ "Bitcoin Block Explorer" (<http://blockexplorer.com/>) . <http://blockexplorer.com/>.
7. ^ Luongo, Thomas (2010-07-23). "The FED's Real Monetary Problem" (<http://www.lewrockwell.com/orig6/luongo7.1.1.html>) . *LewRockwell.com*. <http://www.lewrockwell.com/orig6/luongo7.1.1.html>. Retrieved 2010-10-12.
8. ^ DiabloMiner, OpenCL miner for BitCoin (<https://github.com/Diablo-D3/DiabloMiner>)
9. ^ poclbm, Python OpenCL bitcoin miner (<https://github.com/m0mchil/poclbm>)
10. ^ Bitcoin Pooled Mining (<http://mining.bitcoin.cz/>)
11. ^ "Current currency & funds code list" (http://www.currency-iso.org/iso_index/iso_tables/iso_tables_a1.htm) . SNV-SIX Interbank Clearing. http://www.currency-iso.org/iso_index/iso_tables/iso_tables_a1.htm. Retrieved 10 February 2010.
12. ^ Bitcoin website (<http://www.bitcoin.org/faq>) . Main page, FAQ, and (extensively) *Trade* page all use the abbreviation "BTC".
13. ^ "Bitcoin Trade" (<http://www.bitcoin.org/trade>) . Bitcoin.org. <http://www.bitcoin.org/trade>. Retrieved 22 December 2010.
14. ^ EFF Bitcoin donation page (<https://www.eff.org/helpout#bitcoin>)
15. ^ SIAI donation page (<http://singinst.org/donate/>)





* Probably best
to create
glyph on
ØE3F in OTF

this reference/
example glyph
is based upon:
ØE3F ฿
THAI CURRENCY
SYMBOL BAHM



Vote up your favourite ideas to go into Bitcoin

fabianhjr
Sr. Member
●●●●●

Re: Attach Bitcoin to the Spesmilo
January 09, 2011, 09:02:58 pm

#2

We had already settled for a Serif B with two vertical lies crossing it. ☺

Posts: 397



Do The Evolution



I think we can put our differences behind, for science, you _monster_
[1AMdyQwhswHknQfNGhSS7f1tqDv89Vpib2]
We both said things you are going to regret.

Pegasus-Ride
Jr. Member
●●●

Re: Attach Bitcoin to the Spesmilo
January 09, 2011, 09:12:28 pm

#3

Spesmilo symbol might mean 0.01 BTC, i. e. serve as equivalent to cent symbol.

Posts: 53



genjix
Hero Member
●●●●●

Re: Attach Bitcoin to the Spesmilo
January 09, 2011, 09:22:34 pm

#4

Online

Why not rename the bitcoin to the spesmilo? Move this site to <http://spesmilo.org> (the domain is free). Start referring to 10 Sm instead of 10 BTC.

Posts: 816



Vote up your favourite ideas to go into Bitcoin

fabianhjr
Sr. Member
●●●●●

Re: Attach Bitcoin to the Spesmilo
January 09, 2011, 09:40:03 pm

#5

I support Pegasus, this could represent $1/10^2 \rightarrow 1/10^8$ of a bitcoin.

Posts: 397



Do The Evolution

I think we can put our differences behind, for science, you _monster_
[1AMdyQwhswHknQfNGhSS7f1tqDv89Vpib2]
We both said things you are going to regret.

Composite sequences (inspired by euro and preferred)

b=
B=
=D
=B



rationale

About

Documents

- About
- Markets API

Introduction

Bitcoincharts provides financial and technical data related to the Bitcoin network. You can also access this data via our JSON-API.

Market overview

Bitcoincharts uses daily intervals (UTC) to display data. For example, the volume of a market will usually be zero at midnight (UTC) and increase during the day.

Symbol

The first column shows the symbol, base currency and payment method of a market. An arrow denotes whether the latest price is higher or lower then yesterday's price. Symbols are short names that identify a market and are chosen by Bitcoincharts.

Latest Price

This column displays the price of the last trade. It is denoted in the market's currency. I.e. 0.94 on mtgoxUSD means one Bitcoin was traded for \$0.94. It will also show the exact time of the trade.

Previous Close

This column displays the price of the latest trade a day before. Below the price the difference of Latest Price and Previous Close is displayed.

Volume

Todays trade volume in Bitcoins and in the market's currency.

Day low/high

This column displays two numbers and a bar. The left number shows the lowest price of the trading day (= same day of latest price) while the right number shows the highest.

A bar below the numbers displays Open and Latest Price within the low/high range. A red bar means the Latest Price is lower than the Open price, while a green bar denotes a higher Latest Price.

Open

The first trade of the day. This is different from Previous Close.

Bid















Best bid in the market's order book (= the price someone is willing to pay for a Bitcoin).

Ask

Best ask in the market's order book (= the price someone is willing to sell a Bitcoin for).

30 days chart

This chart shows the price during the last 30 days. An abrupt "crash" means there has been no trade since that day (see Latest Price).

		Bitcoin	Markets	Charts	About	Blocks Total BTC	114828 5.741 mil.	Difficulty Estimated	76194 68864 in 84 blks	Network Blocks/hour	Mar 24, 2011 12:02:44 (UTC) 6.78 / 636 s														
Symbol	Latest Price	Previous Close	Volume	Day low/high	Open	Bid	Ask	30 days	Welcome!																
bcLRUSD  USD (Liberty Reserve)	0.83 Mar 18, 2011, 04:31:15	0.9 -0.07 -7.78%	50.00 41.50 USD	0.83	0.83	0.83	0.79	0.89	<p>Bitcoincharts provides financial and technical data related to the Bitcoin network. If you're not familiar with the numbers on the left you can find explanations here. In case you have a question not answered there you can email me at tcadm@gawab.com. Donations are accepted at 1Nqr3MqVYUp6k3o3QPpAdn4Yg4tzgB9kw.</p> <p>#bitcoin-otc Currency Ticker</p> <p>#bitcoin-otc is an over-the-counter marketplace for trading with bitcoin. All transactions are conducted directly between counterparties, without any intermediation by the marketplace itself.</p> <p>Last updated on: March 24 2011 12:00:16</p> <table><tr><th>Currency</th><th>Bid</th><th>Ask</th></tr><tr><td>EUR</td><td>—</td><td>0.6400</td></tr><tr><td>NOK</td><td>—</td><td>4.9802</td></tr><tr><td>USD</td><td>2.0000</td><td>0.8303</td></tr></table>			Currency	Bid	Ask	EUR	—	0.6400	NOK	—	4.9802	USD	2.0000	0.8303		
Currency	Bid	Ask																							
EUR	—	0.6400																							
NOK	—	4.9802																							
USD	2.0000	0.8303																							
bcmBMUSD  USD (Bitcoin Market)	0.8 Mar 20, 2011, 02:00:41	0.9 -0.1 -11.1%	100.00 80.00 USD	0.8	0.8	0.8	0.001	0.875																	
bcmLRUSD USD (Liberty Reserve)	0.14 Nov 30, 2010, 19:07:54	0.25 -0.11 -44%	100.00 14.00 USD	0.14	0.14	0.14	0.5	1.8																	
bcmMBUSD USD (Money Bookers)			USD				—	—																	
bcmMLUSD USD (Mail)			USD				—	—																	
bcmPPUSD  USD (PayPal)	0.86 Mar 23, 2011, 21:22:29	0.8 +0.06 +7.5%	150.00 128.50 USD	0.85	0.86	0.85	0.85	0.87	<p>mining.bitcoin.cz Statistics</p> <table><tr><td>Round started at</td><td>2011-03-24 11:53:31 UTC</td></tr><tr><td>Round duration</td><td>0:08:09</td></tr><tr><td>Server load</td><td>1232 getwork/s</td></tr><tr><td>Active workers</td><td>1152</td></tr><tr><td>Total score of round</td><td>9478.9223</td></tr><tr><td>Shares contributed in round</td><td>17097</td></tr><tr><td>Approx. cluster performance</td><td>150.166 Ghash/s</td></tr></table>			Round started at	2011-03-24 11:53:31 UTC	Round duration	0:08:09	Server load	1232 getwork/s	Active workers	1152	Total score of round	9478.9223	Shares contributed in round	17097	Approx. cluster performance	150.166 Ghash/s
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Shares contributed in round	17097																								
Approx. cluster performance	150.166 Ghash/s																								
btceXUSD  USD (wire)	0.9283 Mar 23, 2011, 02:57:35	0.8 +0.1283 +16%	489.51 442.38 USD	0.8	0.9283	0.8	0.751	0.88																	
btceXWMZ USD (WebMoney)	0.94 Mar 22, 2011, 13:40:27	0.94 0 0%	0.02 0.02 USD	0.94	0.94	0.94	0.73	0.85																	
mtgoxUSD  USD (Liberty Reserve)	0.8303 Mar 24, 2011, 11:11:31	0.84971 -0.01941 -2.28%	1150.15 964.72 USD	0.8303	0.849	0.832	0.8303	0.84																	
btceXRUB  RUB (wire)	22.1201 Mar 22, 2011, 00:16:14	22.12 +0.0001 +0.000452%	0.57 12.61 RUB	22.1201	22.1201	22.1201	15.56	27.0	<p>deepbit.net Statistics</p> <p>Total hashrate 54.802 Ghash/s</p>																
btceXWMR  RUB (WebMoney)	26.0 Mar 22, 2011, 12:41:33	27.3 -1.3 -4.76%	0.72 18.72 RUB	26.0	26.0	26.0	20.0002	25.0																	
btceXYAD  RUB (Yandex)	26.8 Mar 24, 2011, 02:35:43	27.7999 -0.9999 -3.6%	24.19 613.42 RUB	23.5	26.8	25.0	23.53	26.0																	
btceXJPY  JPY (wire)	1.0 Mar 5, 2011, 23:56:41	0.0001 +0.9999 +1e+06%	1.00 1.00 JPY	1.0	1.0	1.0	1.0	—																	
bcmBMGAU GAU (Bitcoin Market)			GAU				—	—																	
bcmPXGAU GAU (Pecunix)	0.001386 Nov 8, 2010, 20:24:36	0.00209 -0.000704 -33.7%	100.00 0.14 GAU	0.001386	0.001386	0.001386	—	—																	
bcPGAU  GAU (Pecunix)	0.009 Mar 23, 2011, 01:52:07	0.0217 -0.0127 -58.5%	1.10 0.01 GAU	0.009	0.009	0.009	0.0217	0.069																	
bcEUR  EUR (wire)	0.61 Mar 10, 2011, 01:07:45	0.66 -0.05 -7.58%	50.00 30.50 EUR	0.61	0.61	0.61	0.60001	0.64																	
bcLREUR  EUR (Liberty Reserve)	0.62 Mar 19, 2011, 09:09:15	0.626 -0.006 -0.958%	38.42 23.82 EUR	0.62	0.62	0.62	0.00497	0.6349																	
btceXEUR  EUR (wire)	0.6556 Mar 22, 2011, 22:01:59	0.74 -0.0844 -11.4%	2.30 1.51 EUR	0.6556	0.6556	0.6556	0.6	0.75																	
bcmBMAUD AUD (Bitcoin Market)			AUD				—	—																	

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