# Macroansy®

**'E-Commerce of Global Consulting©'**

# $BEEPower Coin -Traders Guide for Cross Border Payments.

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**This Guide outlines the process through which Across Continent Traders (ACT) can design their business websites to interact with $BEEPower Coin contract functions useful for payment service using $BEEPower Coin as the crypto currency.**

**ACT includes but not limited to the following Business Sector Entities, like Traders involved in E-Commerce, Main Crypto Exchanges, Websites of Institutions like Banking and Financial Sectors and other Government Registered Business entities, Government Institutions, United Nations and its affiliates, Education Institutions, Emergency Management Associations, Space Research Organizations, Global Technology Research Organizations, HealthCare Institutions, Logistics Services and other fair business practice entities.**

**MAS© refers to Macroansy®. Website refers to https://macroansy.org.**

**MAS Trade© refers to Distributed Application (DApp) for using $BEEPower coin contract banking functions. Website refers to https://macroansy.org/MASt**

**Basically the following approaches may be used for Payment processing.**

## Approach 1:

**ACT float their ethereum smart contract on Ethereum blockchain to implement some functions so that the trader receives the payment of $BEEPower coins automatically to their contract. Web3.js interface is used to access the $BEEPower contract from ACT's website. The complete strategy, planning and execution responsibility is with ACT's website.**

## Approach 2:

**ACT does not float their ethereum smart contract. Coin Owners and Traders use the DApp MAS Trade© to do the payment. Coin owners approve (like a cheque) coins for payment to a Trader's Wallet Account. The Traders transfer the coins to their wallet Ac from the approver's wallet Account manually. Both the Parties use MAS Trade© for this process. Auto-Payment processing is not present. It is just a promise and a confidence between both the parties for approving an amount and receiving an amount for an agreed service between them.**

## Approach 3:

**This is approach is same as Approach 1, except that the Trader need not do complicated contract coding. Trader deploys a very simple contract code to have just an interface with the coin. MAS© can help to deploy such a simple contract though. The simple plan is that the Trader just displays a unique product ID for each product listed for sale and its price on their e-commerce website. The Buyer access the DApp MAS Trade© and sends the payment to the Trader's Contract address along with the product ID in the text message. The Trader contract receives the payment automatically and stores the text message. The Trader views the payment details through a simple web3.js interface and processes the product delivery.**

**The above approaches are explained through Schema Diagrams as shown in the Appendix herein.**

**Macroansy reserves the right to any other issues which cannot be perceived and explicitly mentioned herein including legal jurisdiction. Macroansy declares that it has clearly specified its objective and purpose regarding the trading approaches explained herein.**

**Apart from this agreement the ACT automatically comply with Macroansy's general Privacy Policy, Use Policy, Business Policy as published on their website https://macroansy.org, even if it does not specifically address this trading process and it is deemed that those policies are general in nature and its essence and spirit is applicable to any international formal business process through which Macroansy deals with its clients and customers.**

**Reference:**

**$BEEPower Coin – Use Functions & Web3.js Guide:**

https://macroansy.org/ICOMarch2018/ico-how-to-use-ico-coin-apr2018.pdf

**$BEEPower Coin – Web3.js interface Agreement:**

https://macroansy.org/ICOMarch2018/ico-agrmnt-coin-web3js-intf-aug2018.pdf

**Entity, MAS PRIVATE BANK©...**

https://macroansy.org/mas_private_bank

**Appendix follows...**

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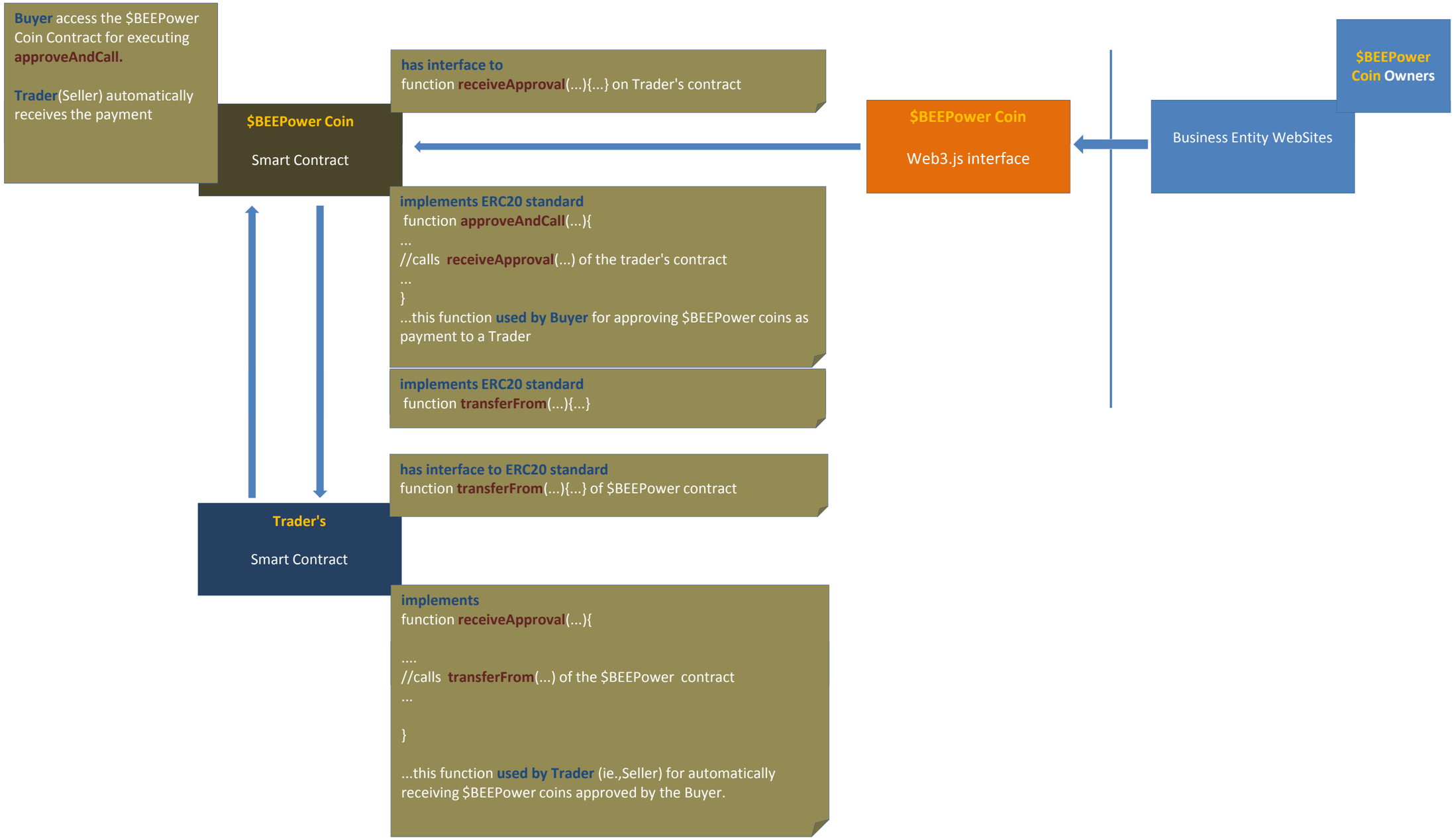
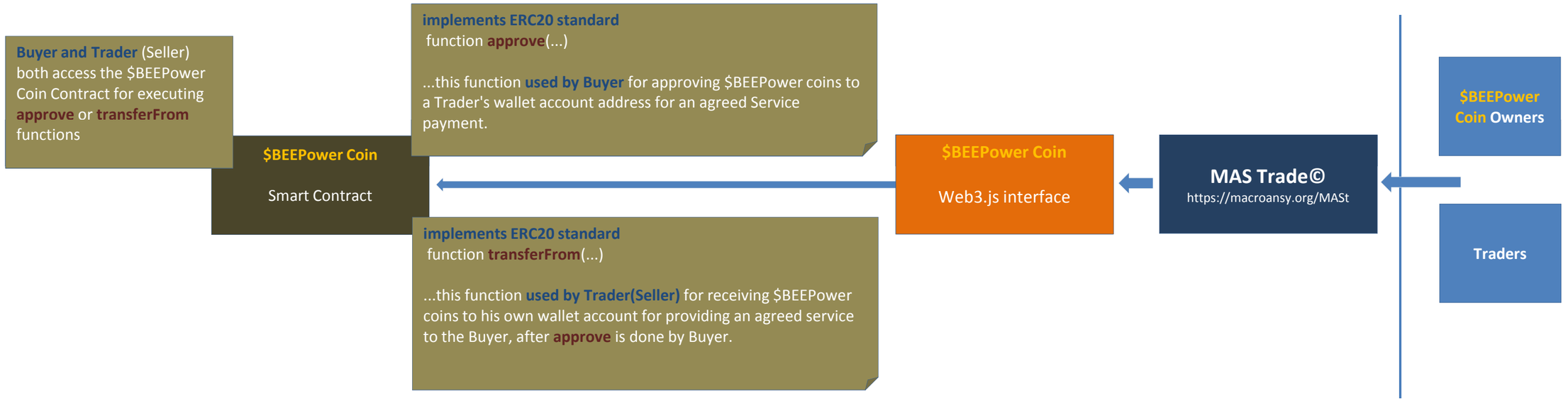
**Continued...**

# APPROACH 1 - $BEEPower for service payment



# APPROACH 2 - $BEEPower for service payment



# APPROACH 3 - $BEEPower for service payment

**Buyer** access the $BEEPower Coin Contract for executing **approveAndCall.**

**Trader**(Seller) automatically receives the payment

**$BEEPower Coin**

Smart Contract

**has interface to**
function **receiveApproval**(...){...} on Trader's contract

**implements ERC20 standard**
function **approveAndCall**(...){
...
//calls **receiveApproval**(...) of the trader's contract
...
}
...this function **used by Buyer** for approving $BEEPower coins as payment to a Trader

**implements ERC20 standard**
function **transferFrom**(...){...}

**has interface to ERC20 standard**
function **transferFrom**(...){...} of $BEEPower contract

**Trader's**

Smart Contract

**implements**
function **receiveApproval**(...){

....
//calls **transferFrom**(...) of the $BEEPower contract
...

}

...this function **used by Trader** (ie.,Seller) for automatically receiving $BEEPower coins approved by the Buyer.

**$BEEPower Coin**

Web3.js interface

While a Buyer sends Payment to Contract along with the Product ID and the Delivery Address in the Text Message, Payment is received automatically and the Text Message is stored in the Trader's Contract. The Trader can review this Message through a simple web interface and the Product Delivery can be processed
by the e-commerce Trader.

Note: Trader 's website can avoid complicated programming for Payment Process.

**$BEEPower Coin** Owners use the txn 'approveAndCall' at MAS Trade© and sends the Product Payment along with a Text Message enclosing the unique Product ID & Delivery Address , to the Trader Contract.

**MAS Trade©**
https://macroansy.org/MASt

e-commerce Trader's Business Entity WebSite lists unique Product ID on each of its Product for sale, along with the Product Price.