EXPi

EXPI.TECH

Reward Your Knowledge and Experience
www.expi.tech

LAST UPDATE:
May 13th, 2019
v1.0

CREATED BY:

THE EXPi TEAM

ABSTRACT

People all over the world exchange information for money. The tools to do it cost and are not very efficient.

THOSE PEOPLE WHO PROVIDE KNOWLEDGE AND THOSE who need it do not always follow through the exchange, because of that both are hesitant to share personal contact information. When there is an intermediary between them, people who need knowledge pay more and people who provide knowledge get less because of the profit of the intermediary. There is a way around it – advance payment – but it requires trust. There had been no applications efficient enough in the market to tackle this problem until blockchain technology appeared. Its transactions are borderless and do not require an intermediary.

Our blockchain based application called EXPI is designed to assist people all over the world with knowledge exchange transactions. This cutting edge application with its automated payments through the operations contract allows to monetize video and voice calls and does not require advance payments or a complicated setup.
In order to advertise their services, knowledge providers can place a QR code or a direct link on any their social media platform.
When the rate per minute is predetermined and set by those who provide knowledge.

This application will help people around the world, especially those without access to the banking systems, exchange knowledge more efficiently.

CONTENTS

1 VALUE PROPOSITION

WE PRESENT A PLATFORM BASED ON BLOCKCHAIN that people can use to call each other and make audio/video calls.

Those who need knowledge pay when they call, the rate per minute is set within the application by those who provide knowledge. EXPI blockchain are used for this exchange.

The exchange of knowledge gets simplified which adds value to the consulting industry.

Knowledge Provider can display their availability and not be afraid to receive fraud or marketing calls when they share their direct call links.

Knowledge Seeker can save costs because they contact wanted person directly and only pay for the actual call time.

Third Party Services obtain another way to monetize their client base.

EXPI.TECH

EXPi

1.1   INTRODUCTION

There exists a technological need in a payment service that can process ad hoc consultations and conversations.
Today there are tree possibilities to settle for the provision and receipt of online consultations, each with its own problems:

1. **Charge and Cost Confusion.**
   When the provider and the user discuss the payment, they may not know the exact amount, the duration of the conversation and whether the call is charged by the minute or by the hour.

2. **Trust.**
   Using a post consultation billing system, the provider needs to trust that after the call it finished the knowledge seeker will pay for the service.

3. **Payment Friction.**
   When providers use intermediaries or external services, money transfers are highly regulated even for brands that are recognized globally.

1.2   MOTIVATION BEHIND THE EXPI PLATFORM

Connect the dedicated software with blockchain technology we make EXPI fully decentralized. That does not allow DDoS attacks to take the platform down entirely.
EXPI works without interruption, at any time of day, anywhere in the world. It is not a single consultation marketplace, it is a protocol that allows users to share their paid call links or QR codes through websites, blogs, and social network profiles or portals.

Blockchain technology makes worldwide transactions possible when a small amount of value can be sent by anyone regardless of location to anyone else. People living in a knowledge-based economy should be able to exchange knowledge in the same way. There had been no tools to handle the process of knowledge exchanges and blockchain payments until EXPI appeared.

EXPI.TECH

2 PROJECT DESCRIPTION

THE AIM OF THE PROJECT IS TO GIVE PEOPLE A TOOL to connect and conduct a paid knowledge exchange through online voice or video call.
The terms used in this document are knowledge seekers and knowledge providers.

EXPI can offer more than just knowledge exchange.
It can offer include one-on-one private video chats and calls with celebrities for charity actions.

EXPI platform offers applications for mobile, web, and desktop. To be able to discuss the terms, users are able to send free text messages to each other. The provider has an option to disable text messaging. Voice or video calls are never free, that are charged by the rate set by the provider.

EXPI.TECH

2.1   TECHNICAL OVERVIEW

We keep the native performance and application experience while implementing additional roadmap features and shortening the go-to-market process. It is in the call recipient's interest to register for payment so he/she will trigger all blockchain interactions.

To start the conversation it is necessary for the caller to provide enough funds for at least 30 seconds of the call. The recipient sends the EXPI addresses of both parties, his minute rate, call identification and other conditions of the exchange to the caller during initialization of the call. The on-chain transactions take place via the EXPI blockchain.

The caller verifies these conditions against his/her application, signs the action using his/her private key and sends signed proof of initialization back to the recipient.
The funds become unusable elsewhere, which prevents attempts to trigger another calls, to withdraw funds during the call and double spends.

When the call is answered this takes place automatically in the application.
Participants do not notice it as it takes milliseconds during an initiating "handshake". It is checked by the recipient's application if the provider and use are matching and if the call was registered on the Blockchain, during the first few seconds of the call.

Another call can not be triggered when one call is in progress. If this happens the abuser's funds get blocked and our team resolved the situation. After finishing the call, the recipient uses this information to trigger end_call function. Transfer of funds from the caller's address to the recipient's address takes place immediately after.

The caller can then trigger another call or withdraw his/her remaining funds. Charges occur only during an active connection therefore the caller can not block signed confirmation at the end of the call and charges can not occur in case of a disconnected internet connection.

EXPI.TECH

2.2   CORE FEATURES

The EXPi app is based on PIVX fork blockchain.

◊ **WebRTC Protocol.** The WebRTC is used for audio and video communication within applications like Google Hangouts, Telegram and Whatsapp. It ensures peer to peer data encryption. It also provides robustness that millions of users have proved already.

◊ **Fully decentralized Call Links.** Sharing paid call link anywhere at any time is the goal. Knowledge providers can use networks in social media, blogs, message boards, etc., i.e. where they are trusted and known.

◊ **Instant Payments.** After the call the payment occurs on the EXPI blockchain based on a pay-per-minute rate. A call can not be triggered if a caller does not have sufficient funds to complete at least 30 seconds of a call. When caller's funds are running low, the caller is notified in advance. When funds fall below the per minute rate the call is disconnected.

◊ **Cross Platform Calling Application.** The first version of EXPI will provide applications for most platforms, including iOS, Android, and Windows. Potential users will be able to choose the application as EXPI will be integrated with third party video calling applications.

◊ **Availability Schedule.** In order to receive calls only during the time they are available knowledge providers can set their availability time.

◊ **EXPI Wallet.** Funds can be managed through a built-in EXPI wallet.

EXPI.TECH
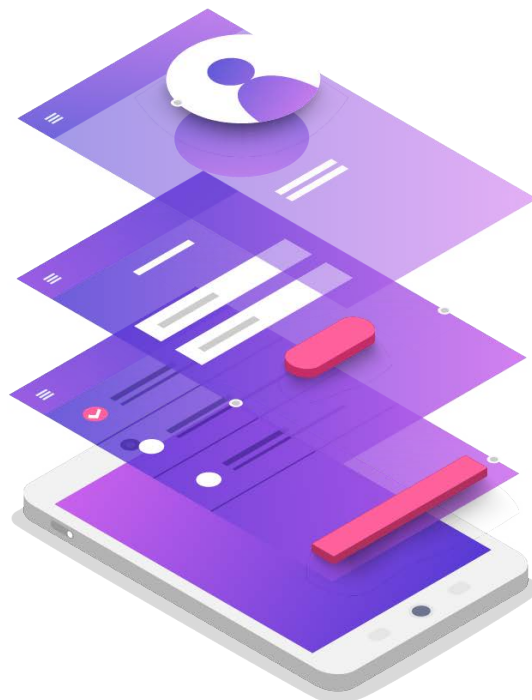
2.3   USER FLOW

1. A knowledge provide sets his/her rate
    in EXPI coin (for example, 3 EXPI per
    minute)

2. An advice seeker is aware of the
    main pricing in EXPI before he/she
    decides to make a call

3. The EXPi app calculates the amount of
    EXPI coins required per minute

4. The advice seeker starts the call

2.4   POSSIBLE USE CASES

The most likely use cases for EXPi will occur for professionals who are well known or casual users with a niche following. Professional users may include blockchain experts, traders, lawyers, medical providers, programmers, professors, business advisors, etc.; and casual users may include bloggers or YouTubers, webcam models, and charitable causes.

1. **Lawyers.** When a person needs a legal advice he/she gets in person consultation even if it is less convenient than a call because of the payment settlement problem.

2. **Medical Consultants.** Medical patients, especially in rural and/or underserved areas, can get advice from doctors.

3. **Programmers.** Programmers can be paid for consultations through discussion boards and web chats.

4. **Business Advisors.** Successful business professionals can be addressed.

5. **Professors.** Professors can answer questions that arise.

6. **Blockchain Experts.** Only through the genius of brilliant minds translated into machine-readable language can any technological revolution be realized. Cryptocurrency projects and blockchain proofs of concept need their architects.

7. **Webcam Chats.** Camera models require a payment intermediary for paid one-on-one video-chats.

8. **Bloggers & YouTubers.** Both groups can charge for private calls and monetize their audience additionally.

9. **Traders.** Traders are required to apply their financial knowledge of securities markets to trade on behalf of their clients or an organization. They evaluate economic data and determine adequate values for securities on financial markets. These professionals also evaluate economic trends using statistical tools to identify price levels and risks for securities in which a company is interested. They also team up with other professionals such as research analysts, portfolio managers, and assistant traders in order to check investment opportunities for a firm.

EXPI.TECH

2.5   WHY BLOCKCHAIN?

Blockchains, by nature, have several properties that make them attractive for our platform. These properties are essential to the success of this project. Thanks to Blockchain technology, we are able to achieve the following:

◊ **Payment Settlement**. Thanks to blockchain, we are able to alleviate a large problem: when and how the payment should be settled. With EXPI, the payment is made during the calls. Participants can disconnect whenever they want and the payment is made only for the recorded time. The wallet decides whether or not the caller has enough funds, and makes sure that the funds are transferred to the recipient when the call is completed.

◊ **Legal Simplification**. Keeping clients money falls into the legal purview of various guidelines and regulatory agencies. Using cryptocurrency simplifies this extensively on the grounds that the cash are transferred at once between the events involved. Any money despatched in the EXPi app can be withdrawn with the aid of users at any time via the EXPi wallet.

◊ **Instant Payments**. EXPi payments are realized within seconds. Knowledge vendors don't want to fear about these repayments being locked in processing for weeks on end, or repayments being denied thru chargebacks.

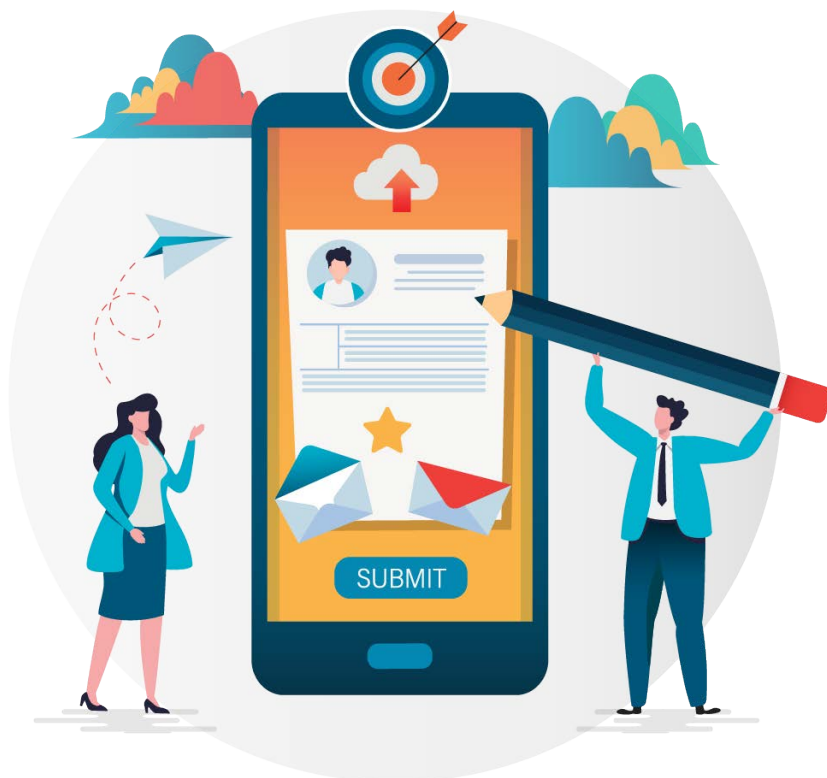**EXPI.TECH**
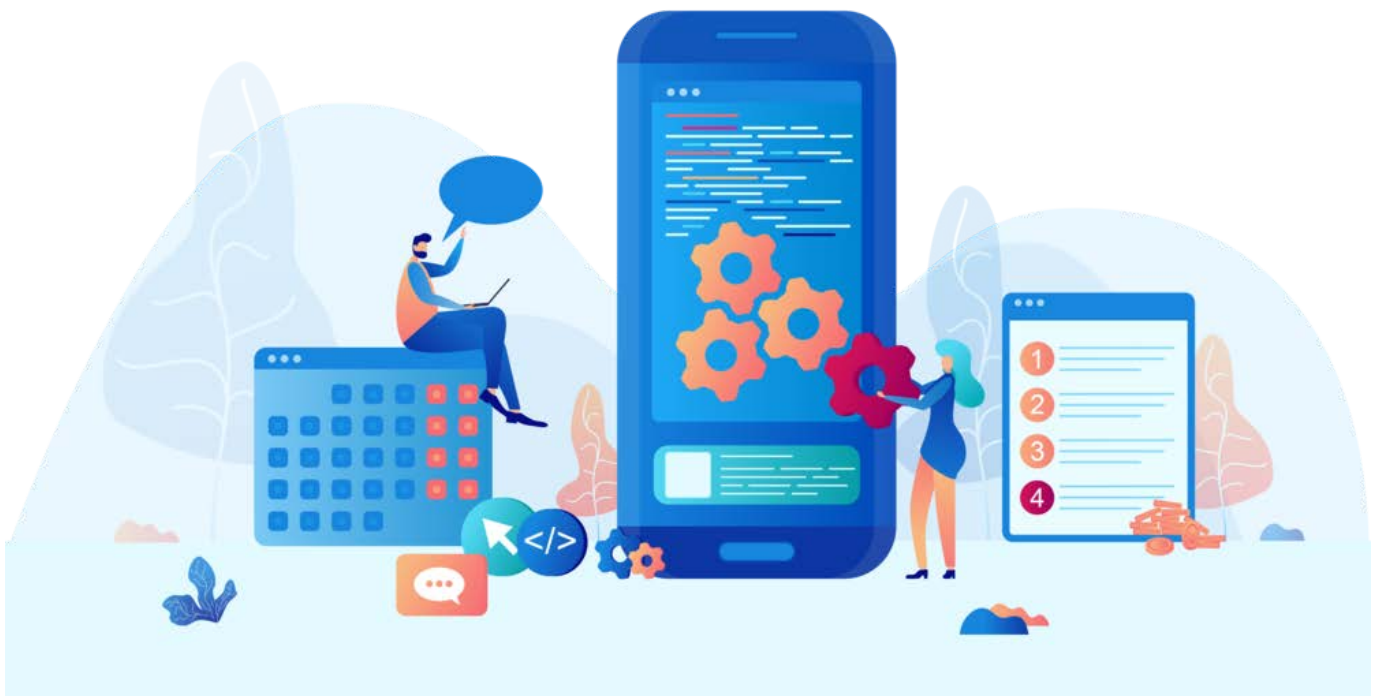
3 BUSINESS STRATEGY

DECENTRALIZED PLATFORM
VERSUS
SINGLE MARKETPLACE

THE CLASSIC APPROACH IS TO CREATE AND BUILD A marketplace - a service for advisors to connect and provide information and knowledge seekers to search for those provides.
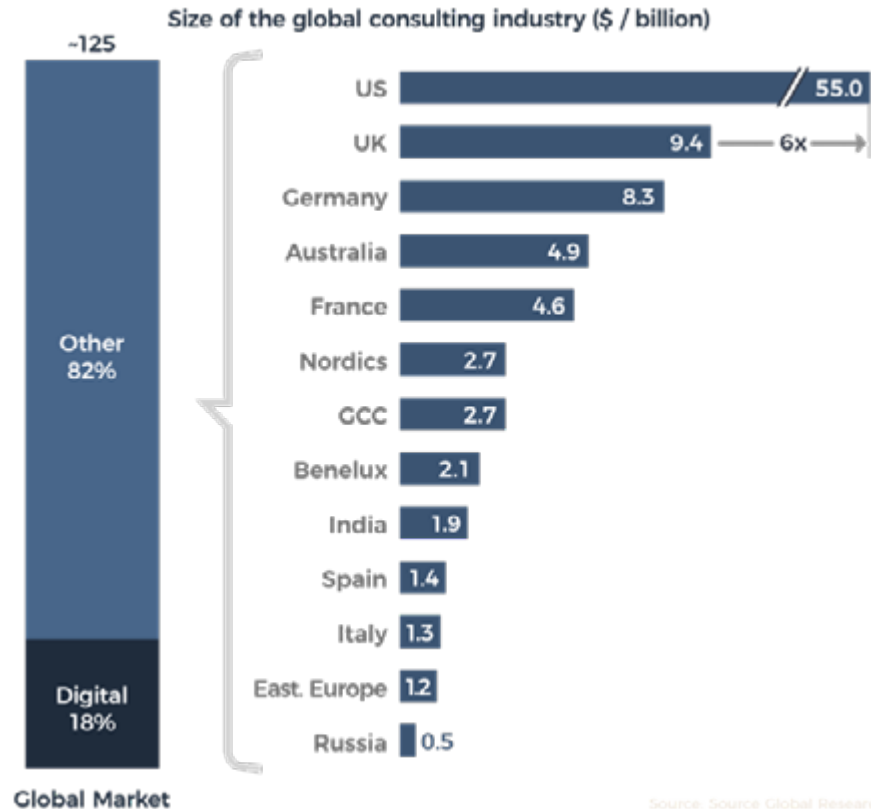
Instead, in our approach, we are creating a totally decentralized solution. Users will be able to share their calling links on any existing platform. Knowledge providers can use the link where they are popular or a known influencer, such as question and answer discussion boards, or social media portals such as Twitter, Facebook, and Instagram.

EXPI.TECH

3.1 MARKET DEFINITION

- ◊ **Consulting industry market** - $125 Billion

- ◊ **Digital consulting industry market** - $23 Billion

- ◊ **Biggest markets** - USA, UK, Germany

- ◊ **Biggest consultations sectors** - Technology, Strategy, Human Resources

Size of the global consulting industry ($ / billion)

~125

	$ / billion
US	55.0
UK	9.4 — 6x →
Germany	8.3
Australia	4.9
France	4.6
Nordics	2.7
GCC	2.7
Benelux	2.1
India	1.9
Spain	1.4
Italy	1.3
East. Europe	1.2
Russia	0.5

Other 82%

Digital 18%

Global Market

Source: Source Global Research

CALL ME WITH EXPI

↓

SHARE ON

www Linked in M

f You Tube 🐦

PROFILE

3.2 THIRD PARTY PLATFORM INTEGRATION

A decentralized solution means the possibility of integrating into a variety of third party services, already containing large user bases, which can allow creators or influencers to make additional profit using our platform. This approach is a lean and environment friendly go-to-market strategy given that we will now not need to reach out to persons one-by-one to create the desired community effect. Instead, we can be counted on an present set up person base. EXPi allows absolutely everyone to quickly and at once monetize their time or content material beyond what they were at first succesful of. This is efficient for both the provider and the receiver.

EXPI.TECH

4 SOFTWARE

IN ORDER TO EMPIRICALLY TEST THE USER EXPERIENCE AND gather feedback on the platform, we built a prototype version of the application. The current platform does not contain the full set of features that will be included in the production version of the mobile software. However, the prototype allows us to test the concept and be sure the all working as intended.

4.1   APPLICATION SECURITY

The application is going to have rating system built in. After a call both participants are able to rate each other and give them a comment, which is visible within their profiles later on.

Another feature to protect callers from abuse by advice providers is refund policy. Each advice provider will be able to set the maximum refund time (for example 1 minute). If the call lasted less time than specified limit advice seeker will be able to get refund after the call and knowledge provider will not get paid. This allows legit experts to assure potential clients about their skills, while still not limiting anyone on the decission process.

4.2   MOBILE APPLICATION

The mobile application is the core of our platform. Anyone with a smartphone will be able to initiate or receive/accept incoming calls. The experience will be very similar to existing mobile VoIP applications.

The final version of the mobile application will have the following core features:

♦   **Knowledge Provider:**
- ♦   **Ability to set your charge rate per minute**
- ♦   **Ability to receive notification of consultation request**
- ♦   **Ability to text message with a experts**

♦   **Knowledge Seeker:**
- ◊ Ability to top off your EXPi account balance with EXPI coin
- ◊ **Ability to initiate a consultation call via username handle**
- ◊ **Ability to initiate a consultation call via scanning a QR code**
- ◊ Ability to text message with potential knowledge provider

♦   **Both:**
- ◊ **Change account settings**
- ◊ **Register new account**
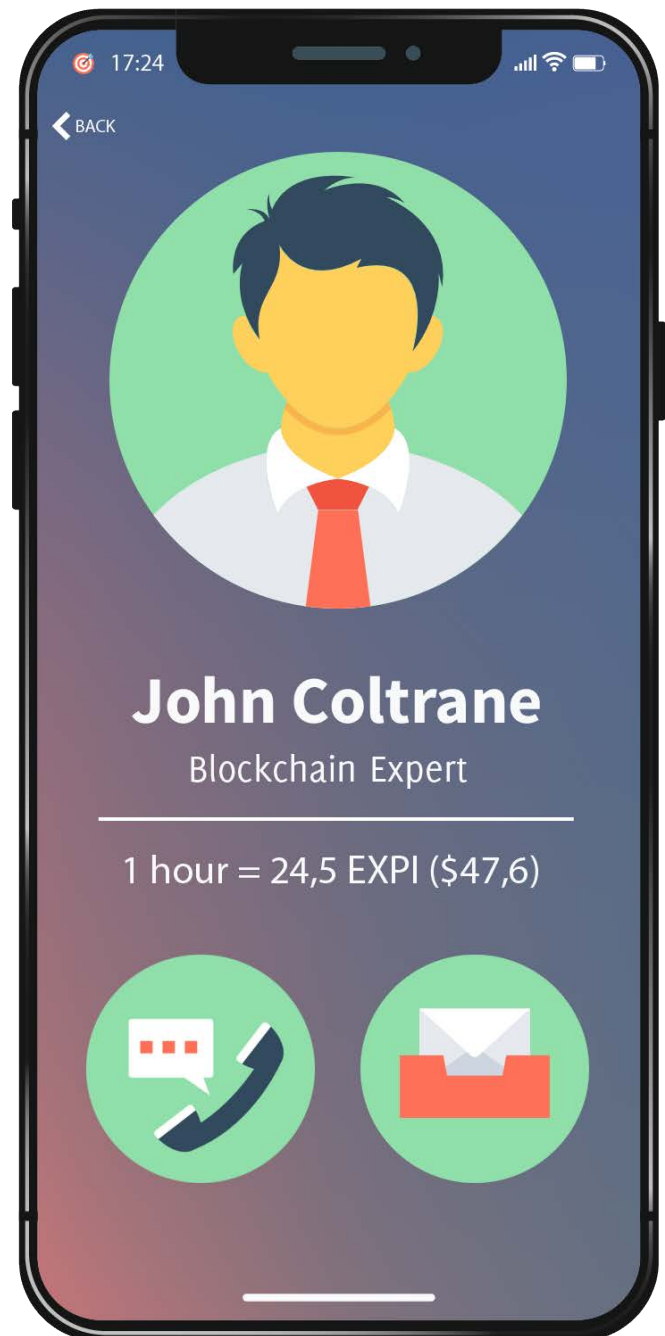
4.3 ROADMAP

Q2 2019

Official website launch

    Blockchain development

      Whitepaper release

        EXPi network launch

          Wallets release

            Block explorer launch

              Official Bitcointalk announcement

                Bounty and invite programs

                KYD verification

                  Trittium and Midas platform listing

                  CriptoBridge listing

                    Masternodes rank services listing

Q3-4 2019

Mobile app EXPi development

    Partnerships with another MN coins

      CMC listing

        Mobile app EXPi release

        Search of experts

          Marketing campaign

            Registration of experts in the EXPi

            EXPi app for IOS release

              Bug bounty

                Release roadmap 2020

4.4   COIN SPECIFICATION

ALGORITHM	COIN TYPE	POS/MN RATIO
QUARK	POS + MN	15% / 85%

BLOCK TIME	TOTAL SUPPLY	MN COLLATERAL
60 SEC	9,000,000	1,000

MATURITY TIME	MIN. STAKE AGE	MIN. STAKE AMOUNT
24 BLOCKS	8 HOURS	100 EXPI

REWARDS

BLOCKS	COINS	BLOCKS	COINS
1	premine 90,000	70,001 - 80,000	1,75 EXPI
2 - 500	0,2 EXPI	80,001 - 90,000	1,5 EXPI
501 - 20,000	0,75 EXPI	90,001 - 100,000	1,25 EXPI
20,001 - 30,000	1 EXPI	100,001 - 115,000	1 EXPI
30,001 - 40,000	1,25 EXPI	115,001 - 130,000	0,75 EXPI
40,001 - 50,000	1,5 EXPI	130,000 - 200,000	0,5 EXPI
50,001 - 60,000	1,75 EXPI	200,001 - 2,500,000	0,3 EXPI
60,001 - 70,000	2 EXPI	2,500,001 - 9,000,000	0,2 EXPI