

Contemporary Studies in Electronic Documentation (ED) or will the digital person remain a gentleman?

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ABSTRACT. - The digital person experiences the influence of an external organizational setting, which is determined by the principles and laws of the digital economy. How harmful is this form of organization to humaneness, the set of properties of human nature that distinguishes it from cyborg? This issue is discussed in this article. The issues of digital identification and certification of things of the surrounding world, identification and certification of the human person and his internal organs, protocols of communication of certified fragments among themselves, questions of aggregation of certified parts into a certain certified whole, issues of working with certification markers are touched upon. The authors proceed from the view that the threats that standardization and certification bear on themselves are overcome, the ways of overcoming this are fixed. This leads to such an answer to the question posed in the title: despite some pressure on humanity from the system of international standardization and certification, the positive effect is still higher, while the gentleman remains a gentleman, albeit with a little digital glamor.

Key words— Electronic Documentation, Engineer Ethics, Futures.

I. INTRODUCTION

Our world, which is becoming more mobile and connected, has already experienced the information phase and is entering the next phase of a knowledge economy. Each economic system is heterogeneous, there are different principles of organization of the economy: electrical, chemical, biological, but there is always one dominant. We would call it today the digital economy. It represents the ability to translate, for example, paperwork into electronic, digital form. A worldwide digital culture is formed, which, through signs, codes, electronic certificates, gives a new layer to the physical existence of mankind, sets the possibility to make sure of the authenticity of life on Earth.

It's hard for us to imagine what the world will be like with a digital dominant. Some believe that our generation is the last generation of the genus homo sapiens, various versions of the scenarios of the development of mankind are given. It will be hard to say whether a new type of nano sapiens will enter the historical arena, or the single physical world will become dual, along with the natural conditions of life, will be created. Nevertheless, the efforts

of mankind are aimed at ensuring that the identification of everything on earth is digital and that any movement has a traceable digital footprint. The fact that it is impossible to imagine is fully within the power of humanity to calculate, relying on the existing physical picture of the world.

The formation of a new technological structure is due to the ever-increasing speeds of information flows that change landscapes. The spheres of activity and thinking of the previous era are digitalized, new candidate representatives of the new era are being developed, while the development is fundamentally digital in nature. What will remain of the previous styles of life and behavior, how will the moral of man change in this industrial revolution. What will happen to politics, the legal system, the family and the school if the global digital platform is estranged from the individual and entrusted to the realm of artificial intelligence. Will such a framework be able to be designed in which the perfect person remains sensitive and communicating?

In what language (individualized or universal) will electronic document flow take place? Will total digitalization change the picture of the world? Will the world become spiritless? Are there any limits to the uncontrolled fall of the world into the turbulent phase? All these difficult questions set the context for what is considered in this article. This article proposes a set of questions that can contribute to a better understanding of the current changes in society, if we look at it from the point of not too distant future. Today, a databank is being formed in which electronic "doubles" of the individual, the organization, their constituting documents are collected and stored. It's about ISCN. Documents can be restored in case of fire, theft or a natural disaster. This restores the status of the person, organizations, whose activities fell into force majeure. Unique international identification with the help of a certification number allows you to preserve the identity of an individual, organization, relationship. A kind of global cultural genome of mankind is being created. The first steps are extremely important. Some possible extensions are outlined in the article and some challenges are formulated.

II. QUESTIONS

A scheme should be developed that would consider the movement of thought in the inner space of a whole with a change in its type: (1) a design theoretician who implements a psychological type of thinking, (2) logician realizes a theoretical-logical thinking, and (3) methodologist, the person, implementing methodological thinking. A change in the type of thinking occurs at some special points in which

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the emphasis is on the forms of conceivability of value, idea and norm. Moving along that path, the thinker captures this movement in the norm. This norm defines the core language in which an electronic document is written. Further, changing the direction of rotation and the nature of intellectual effort, we must introduce such platforms of thinking in the context of practical activity, which are expressed by the positions (4) of a "methodologist" who builds the sphere of culture and education (translation of culture and reproduction of activity), (5) empiricist, which builds the scope of scientific (research) work, and (6) the practician. Who is constructing the type of practical activity that ends with the creation of a norm (standard). An electronic document in its prototype appears as a result of several iterations of such a movement. A change in the types of thinking in the context of practical activity occurs at points I, V, N, which express the form of representability of an idea, value, and norm, respectively [5]. Fixed mindset goes into growth mindset, the framework is broken and reformed in the form of norms of thinking and activity. This is the mechanism for forming an instrumental plan when developing a digital platform for making an electronic document.

A. Questions that we focused on.

1) Electronic documentation (ED) in its exhaustive sense, 2) The latest methods of ED, 3) The legislative basis for ED, 12) The concept of ED in the context of a neutral third party and the reduction of risks. 4) The role of ED in the protection of commercial and banking transactions via the Internet and the reduction of phantom companies (one-day firms), 5) The role of ED to reduce falsification of practices and scientific and academic certificates 6) The role of ED in combating cybercrime, 7) The role of ED in international trade, scientific and academic issues, 8) The role of ED in the protection of intellectual property, 9) ED and its role in government and private accelerators and its impact on productivity increase, 10) ED and its impact on the reduction of FOT organizations, 11) ED on the personnel departments, training departments, information technology, research, publishing tools and a whole into sections.

B. Questions that we pay attention to, making them the subject of special studies

(1) National and International standards: the same principle applies to document circulation and the form of documents as in the field of law, namely the priority of the international standards over the local ones.

(2) The world can be divided into two parts: adopting new certification rules using electronic standards and certification numbers, and not accepting. How to live with this?

(3) With a person who abandons paper documents, a certain transformation of consciousness takes place, he becomes more free. Is this dose of freedom harmful?

(4) What next, after switching to the electronic document standards, is a digital person? A digital person in the world of certified things, establishing communication and communication protocols.

(5) Certification system and electronic documentation as a mirror for establishing the authenticity of physical activity.

(6) Difference of time resources for human self-

determination and certification, how to work with heterochronism?

(7) The certification number as a sign of eckropy / negentropy, what does this add to the environment of the thermodynamic arrow of time?

(8) How to aggregate the certification numbers of the system components? Techniques for reading and editing certification markers.

(9) Will not a man forget how to cry and laugh? Will algebra replace harmony?

(10) Ethical issues of standardization and electronic document certification.

(11) Integration of national electronic document systems: what are the principles?

III. DISCUSSION

A BRIEF EXPLANATION OF THE CONTENT OF THESE IDEAS AND ADDITIONAL QUESTIONING.

(1) *National and International standards: the same principle applies to document circulation and the form of documents as in the field of law, namely the priority of the international standard over the local one.*

Different countries have their own standards and certification systems. The international standard is formed as a certain sum of national standards so that the international standard includes the best version from national standards. This means that in the international standard the national standard acts as an exemplar or a minor reduction (sometimes in opposite as a driver for its modernisation) in it. The presence of an international standard puts the national system of standards in a certain field of tension, in which the national system can develop, pulling up to the international standard. This is similar to the process of improving the constitutional law in its orientation to the international legal norm.

(2) *The world can be divided into two parts: adopting new certification rules using electronic standards and certification numbers, and not accepting. How to live with this?*

The world is always divided into the advanced group of society, which follows in the forefront of technical and humanitarian thought, and some groups of "laggards." Often the second group follows the first, pulling up to it. But sometimes it becomes autonomous, forming a closed settlement. In relation to the digital economy, groups that do not accept it exist. And here it is important to provide for a hybrid regime in which two forms of certification, paper and electronic, would coexist. As an option to reduce the gap, it is suggested to copy the paper, on which documentary evidence of some fact is made, so that, on occasion, one can make sure of the authenticity of the document by use any electronic tester.

(3) *With a person who abandons paper documents, a certain transformation of consciousness takes place, he becomes more free. Is this dose of freedom harmful?*

This is a psychological question. This kind of issues was solved by space medicine when it explored different aspects of people's behavior in space. A man freed from the burden of paper documents, having thrown his portfolio into the past, becomes free on the one hand, because he is endowed with some digital representative in the digital world, but on

the other hand vulnerable to a system that has not yet undergone a digital transformation. To avoid the stresses associated with the moments of meeting with a non-digital society, measures are needed to accelerate the digitalization of the world. Together with this, the complexes associated with the transition to the figure will also disappear.

(4) What next, after switching to an electronic document standard, is a digital person? A digital person in the world of certified things (things of Internet), establishing communication and communication protocols.

We can look into the future, in which all things around a person have their digital representatives. Perhaps such representatives will have both human qualities and qualifications, such as efficiency, motivation, leadership, integrity, transparency, stability, adaptability, success, dynamism, flexibility, growth, competences, and so on. A digital person is collected from these representatives, their digital certificates, and receives an integral digital certificate. At the same time, this certificate can be expanded in a row, or transformed, taking the form convenient for its use when interacting with another person or thing. A lot of inspirations had been found during 5-day foresight fleet 'Future markets Kama 2035' on this aspect [<https://asi.ru/eng/nti/>].

(5) Certification system and electronic documentation as a mirror for establishing the authenticity of physical activity.

Very often in the development of relations of activity, these relations are fixed in the form of charters, treaties, laws or constitutions. If to calculate the certification markers of physical activity and subject descriptions of it with the help of such markers, it is quite possible to raise the question of whether the latter perform the function of a mirror with the help of which the authenticity of physical activity is established.

(6) Difference of time resources for human self-determination and certification, how to work with heterochronism?

A person changes throughout his life, these changes need to be described and reflected with the certification markers. For example, for a child, relationships with parents and grandparents are important, and as an adult, relationships with parents and grandparents, with children, with their peers and with generations of fathers and children, relationships with parents, grandparents, and grandparents are important for a mature person and with cultural backgrounds, with children, grandchildren and great-grandparents, as well as various intergenerational relations (conversations and communications). A person who has passed away may also possess a certain set of digital certification numbers, from which the foundations of culture and civilization form in their processes of the culture translation and business reproduction and authentication. By heterochrony, we mean the coexistence in the world of the processes of the different horizons of the future (prospectus) and different scales of retrospection.

(7) The certification number as a sign of entropy / negentropy, what does this add to the environment of the thermodynamic arrow of time?

This philosophical question also has significance in the discussion of the topic of the conference. It is known that

the entropy of the universe is the information potential that describes the behavior of the physical universe. The appearance of reason, the influence of reason on the laws of nature during observations, forms a new non-entropic information resource. It has a matter for whom use the system of electronic certification. Is it possible to do without it? Probably it is possible, but then we will not be able to evolve, open our possibilities in sight, hearing, smell, touch, understanding, thinking, etc. For this purpose, the system of electronic certification is intended. It is like the art of a sculptor who, from a piece of marble, a diamond, reveals his true beauty, or a gardener ennobling the garden.

(8) How to aggregate the certification numbers of the system components? Techniques for reading and editing certification markers.

This is a methodological issue. It is connected with how to achieve the integrity of the system, its stability from the impact of non-standard fragments of reality. This is not so much a question as what to do with the fundamentally non-standardizable, how many question is how to form families, genera and other unions of sign reality, in which the elements are certification numbers / markers. How to read these integrated numbers? Is it possible to edit them? How much editing is associated with ethics, politics, legislation?

(9) Will not a man forget how to cry and laugh? Will algebra replace harmony?

It's a pedagogical question. This question is related to the fact that in the standardization process the living spirit of creativity is "killed", which is not fundamentally standard. B.Murphy discusses a «process by which human values can be reinstated in economics through a sustainable economic philosophy based on a microeconomic sustainable business philosophy defined as Relationship Business». [3:129]. Will the person remain gallant? Will the fight against fraud and theft cause a social attack of mistrust, fear and xenophobia? How to transform a policy through ethics [1]? And here we turn to the next group of questions.

(10) Ethical issues of standardization and electronic document certification.

'You have been deceived, you are a victim of fraud'. This marker is very similar to one that can be attached to a person who turned away from luck, or to a person near, simple, trusting or stupid. Standardization can create such a mug of victims, revealing the facts of forgery of documents and fraud. The court can compensate for moral damage. But how to erase the fact of deception in personal history? In the farther horizon of the future, when electronic certification penetrates to the genetic level, the question of ethics will arise when deciding on editing the genome [4]. Eugenics should receive an ethical meaning and argument.

(11) Integration of national electronic document systems: what are the principles?

With the interaction of national systems, a question of translation arises, similar to the way in computer science was the question of translating applications developed for one operating system to work in another operating system [2]. How can an electronic certificate of one system be translated into an electronic system of another system? How to integrate one into another? How to connect two or more systems into one? These are questions of system methodology.

IV. CONCLUSION

The article develops a line of this kind of inquiry, which leads to the organization of special studies in various fields of activity. Social technologies need to be brought up to the level and scale of new technical tasks. In particular, the tasks of educational, developing, in which certificates are important, confirming the competences, qualifications, and growth. In the age of the domination of information technology, it is important to remember that human nature is not described solely by algebra, that there is still some spiritual substance. New technologies need to be checked for compliance with the norms of human morality. A digital person does not have to be a monster, he must be a person with great opportunities, with a better degree of protection against new threats. A digital person must remain a gentleman.

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