



Republika e Kosovës  
Republika Kosova-Republic of Kosovo  
*Qeveria – Vlada-Government*  
*Ministria e Zhvillimit Ekonomik- Ministarstvo Ekonomskog Razvoja*  
*Ministry of Economic Development*

TABLE WITH COMMENTS AND ANSWERS FOR COMMENTS:

DRAFT REGULATION (MED) No. XX/2017 FOR CONSTRUCTION, INSTALLATION, AND SUPERVISION OF ELECTRONIC COMMUNICATIONS INFRASTRUCTURE

<p>Pursuant to Article 22 paragraph 5 of the Law no. 04 / L-109 on Electronic Communications (Official Gazette of the Republic of Kosovo, no. 30 dtd. 09 November 2012), Article 8 (1.4) of the Regulation No.02 / 2011 on the areas of administrative responsibility of the Office of the Prime Minister and Ministries (Official Gazette the Republic of Kosovo No.1 dtd April 18, 2011), and article 38, paragraph 6, of the Regulation no. 09/2011 of Rules and Procedure of the Government of the Republic of Kosovo (Official Gazette of the Republic of Kosovo, no. 15 dtd 12 September 2011)</p> <p>Promulgate:</p> <p><b>REGULATION (MED) NO. XX/2017 FOR CONSTRUCTION, INSTALLATION, AND SUPERVISION OF ELECTRONIC COMMUNICATIONS INFRASTRUCTURE</b></p>	<p><u>A.Hyseni (ZKM):</u> Baza ligjore e Projekt-rregullores (MZHE) nr. XX/2017 për ndërtimin, instalimin, dhe mbikëqyrjen e infrastrukturës së komunikimeve elektronike, duhet shqyrtuar pasi që me nenin 22 (5) të Ligjit nr. 04/L-109 për Komunikimet Elektronike përcaktohet që <i>Instalimi, mbrojtja, bashkëshfrytëzimi dhe mirëmbajtja e infrastrukturës së komunikimeve elektronike duhet të rregullohen me Ligjin për Planifikimin Hapësinor, Ligjin për Ndërtim, Ligjin për Zonat e Veçanta të Mbrojtura, Ligjin mbi Vlerësimin e Ndikimit në Mjedis, Ligjin për Krugët, rregullat për instalimin dhe përdorimin e rrjeteve të komunikimeve elektronike të përgatitura nga Ministria në bashkëpunim me Autoritetin dhe të miratuara nga Ministria, si dhe në pajtueshmëri me legjislacionin tjetër në fuqi</i>, rregullorja në fjalë duhet të harmonizohet me ligjet në fjalë të përcaktuar në nenin 22 (5) të Ligjit për Komunikimet Elektronike si dhe duhet të konsultuar me Ministrin e Mjedisit dhe Planifikimit Hapësinor si dhe Ministrin e Infrastrukturës dhe nëse kjo projekt rregullore hyn në</p>	<p><u>A.Hyseni (ZKM):</u> <b>Komenti është adresuar</b> Konsultimi paraprak dhe publik është bërë edhe me MMPH dhe MI dhe meqenëse nuk ka kompetencë të shtuar për këto Ministri, nuk ka nevojë të miratohet nga Qeveria e Republikës së Kosovës. Edhe sipas Nenit 22 (5) të Ligjit nr. 04/L-109 për Komunikimet Elektronike përcaktohet se “... të përgatitura nga Ministria në bashkëpunim me Autoritetin dhe të miratuara nga Ministria ...”</p>
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	<p>kompetencat e këtyre ministrive duhet të miratohet nga Qeveria e Republikës së Kosovës.</p> <p><b>M.Ibrani:</b> Të analizohet termi “Ndërtimi”. Ndoshta më e qëlluar do të ishte “Shtrirja” ose “Vendosja”, kabllo shtrihen nuk ndertohen ne vende te caktuara, infrastruktura komunikuese shtrihet/vendoset, instalohet ...</p>	<p><b>M.Ibrani:</b> <b>Komenti nuk pranohet</b> Rregullorja për ndërtimin, instalimin dhe mbikëqyrjen e infrastrukturës së komunikimeve elektronike nuk përcakton vetëm rregullat e shtrirjes së kabllave por edhe të <b>ndërtimit</b> të strukturave të komunikimeve elektronike duke përfshirë punimet e dheut, si dhe montimin e kornizave, direktëve dhe pajisjeve tjera mbi strukturat ekzistuese.</p>
<p><b>Article 1 Purpose</b></p> <p>1. The purpose of the present Regulation is to establish rules, for planning (designing), construction, installation and supervision of underground and overhead electronic communications infrastructure at urban and rural areas, and other appropriate infrastructure for underground and overhead installation and/or collocation of public electronic communications networks (hereinafter: infrastructure) and for private electronic communications networks construction, installation and supervision, as far as these works will be done in cable protection zones or outside of private network owner’s property.</p> <p>2. Ministry and the Authority shall, through the implementation of this Regulation, provide assistance to the entrepreneurs working in the area of construction, installation and supervision of the electronic communications network and infrastructure throughout the territory of the Republic of Kosovo.</p>	<p><b>A.Hyseni (ZKM):</b> <b>Koment i përgjithshëm:</b> Projekt-rregullorja (MZHE) nr. XX/2017 për ndërtimin, instalimin, dhe mbikëqyrjen e infrastrukturës së komunikimeve elektronike, duhet të jetë në harmoni me Udhëzim Administrativ nr. 03/2013 për Standardet e Hartimit të Akteve Normative, në tekstin e projekt Rregullore janë përdorur kllapat të cilat sipas standardeve mund të përdoren vetëm për shkurtesa dhe numra.</p>	<p><b>A.Hyseni (ZKM):</b> <b>Komenti është adresuar</b> Në Rregulloren për ndërtimin, instalimin, dhe mbikëqyrjen e infrastrukturës së komunikimeve elektronike janë përdorur kllapat për të përforcuar kuptimin e dispozitës ashtu si është përcaktuar në Udhëzimin Administrativ për standardet e hartimit te akteve normative. Meqenëse kjo Rregullore ka karakter teknik, kllapat mund të përdoren përveç për numra dhe shkurtesa.</p>

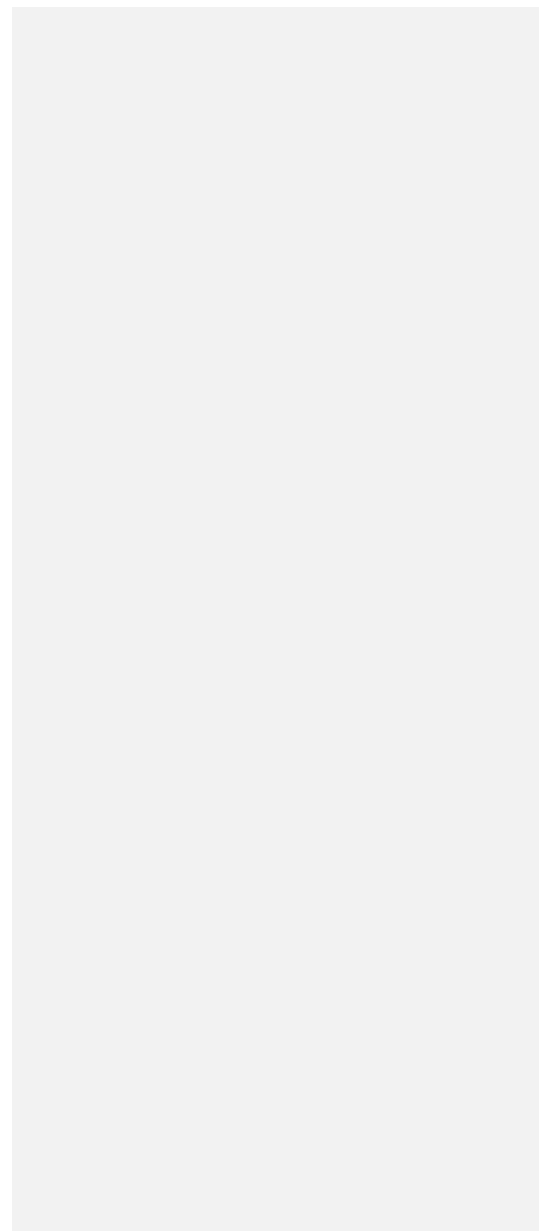
<p style="text-align: center;"><b>Article 2</b> <b>Scope</b></p> <p>1. The Regulation establishes requirements, procedures, conditions and technical specifications, according to which the entrepreneurs shall engage in planning (designing), construction, installation and supervision of underground and overhead electronic communications infrastructure and adaptation of existing infrastructure of electronic communications into underground and overhead configuration according to the conditions and requirements of the present Regulation.</p> <p>2. The Regulation shall apply upon all natural and legal persons, including public entities, and owners/holders of electronic communications infrastructure.</p> <p>3. Additional rules for technical requirements for shared use of infrastructure are prescribed in separate Regulations issued by the Authority in accordance with the Law on Electronic Communications.</p>	<p><b>B.BYTYQI (MFSK):</b></p> <p>1. Reformulation of Article 2 (Scope) Paragraph 2 of this Regulation:</p> <ul style="list-style-type: none"> <li>• The Regulation shall apply upon all natural and legal persons, including public entities, and owners/holders of electronic communications infrastructure, <i>excluding specific institutions / relevant national defense and security, that shall regulate these specific areas separately and within the scope of their competence.</i></li> </ul> <p>2. We also propose that Article 2 (Scope) be supplemented with a new paragraph based on the law 04/L-109</p> <ul style="list-style-type: none"> <li>• MED cooperates with the Ministry of the Kosovo Security Force, on matters in the field of electronic communications, dealing with defense and national security.</li> </ul> <p>We suggest that in meetings, debates or working groups at the government level with regards to drafting of various documents in the field of Information Technology to be officially invited in order to give our contribution.</p>	<p><b>B.BYTYQI (MFSK):</b></p> <p><b>1. Comment Accepted</b></p> <p>Reformulation of Article 2 paragraph 2:</p> <p><i>2. The Regulation shall apply upon all natural and legal persons, including public entities, and owners/holders of electronic communications infrastructure, excluding specific institutions / relevant national defense and security, that shall regulate these specific areas separately and within the scope of their competence</i></p> <p><b>2. Comment not Accepted</b></p> <p>This paragraph is written in the Law on Electronic Communications, no need to add it in this regulation.</p>
<p style="text-align: center;"><b>Article 3</b> <b>Definitions</b></p> <p>1. Terms used in this Regulation shall have the following meanings:</p> <p style="padding-left: 20px;"><b>1.1 Ministry</b> – the ministry responsible for the field of electronic communications.</p>	<p><b>IPKO</b></p> <p>Comment</p> <p>Article 3 Definitions</p> <p>To provide definitions for these two terms used in the draft regulation:</p> <ul style="list-style-type: none"> <li>- Installation of outdoor electronic communications infrastructure;</li> <li>Installation of indoor electronic communications infrastructure;</li> </ul>	<p><b>IPKO</b></p> <p><b>Comment Accepted</b></p> <p>New Definitions are provided below and all the definitions are listed alphabetically.</p> <p><i><b>Indoor construction/installation work of electronic communications infrastructure</b> – means that all construction and installation activities will be done in premises where temperature is not lower than + 5 C</i></p>

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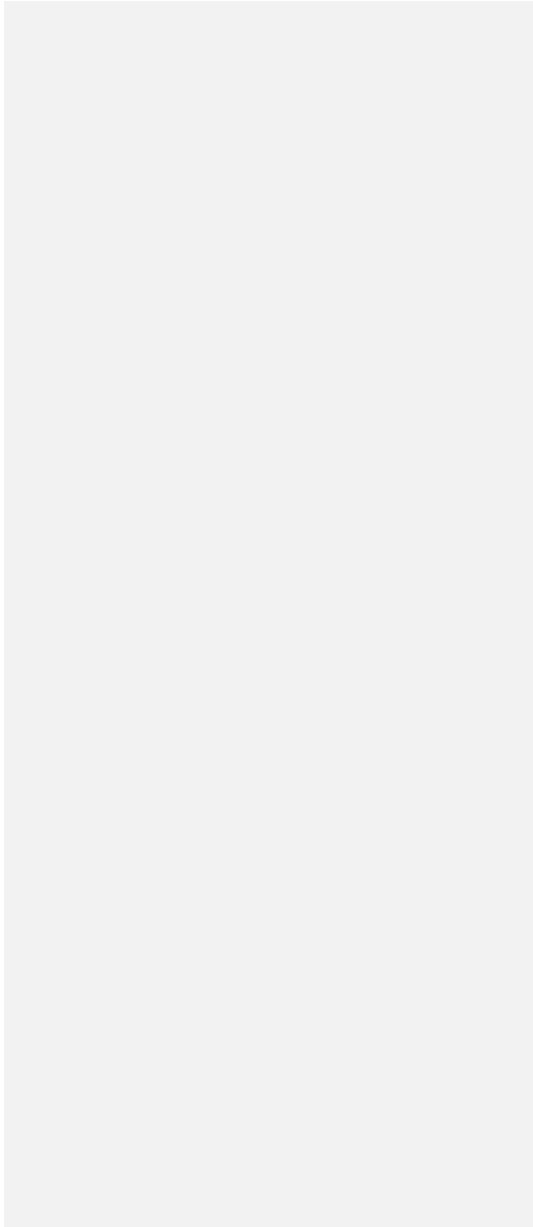
<p><b>1.2 Regulatory Authority of Electronic and Postal Communications-(hereinafter Authority)</b> - the regulatory body that implements and supervises the legal framework defined by the Law No. 04 – L-109 on Electronic Communications, and by the Law on Postal Services, as well as by the development policies for the field of the electronic communications and postal services defined by the Government.</p> <p><b>1.3 Entrepreneur</b> – any natural and/or legal person or a group of persons linked by virtue of control or dependency who are engaged in an electronic communications activity in the Republic of Kosovo or whose actions have an impact on or intentions, if realized, might have an impact on economic activity in the Republic of Kosovo;</p> <p><b>1.4 Operator</b> – shall mean a legal enterprise/entity providing or authorized to provide electronic communications <b>networks</b> or associated equipment;</p> <p><b>1.5 Construction of electronic communications networks</b> – construction of electronic communications structures carrying out earth-moving, as well as assembly of frames, masts and equipment on the existing structures, if the security, bearing capacity or stability of constructions of the structure is deteriorated <b>due to it</b> and enhancement thereof must be performed;</p>	<p><b>M.Ibrani:</b> Only the network (infrastructure) or also services? Does this allow to the operator to provide services seperately from the network and vice versa)</p> <p>Or/and</p> <p><b>M.Ibrani:</b> Ndertimi i infrastruktures mbeshetese per rrjetet e komunikimeve elektronike ose Ndertimi i infrastruktures mbeshetese fizike per shtrirjen e rrjeteve te komunikimeve elektronike ose Ndertimi i struktures mbeshetese fizike per rrjetet...</p> <p>Reformulation/clarification</p>	<p><i>and higher than + 40 C, the level of humidity not higher than 70 %.</i></p> <p><i><b>Outdoor construction/installation work of electronic communications infrastructure</b> – is considered everything that is not indoor construction/installation work of electronic communications infrastructure</i></p> <p><b>M.Ibrani:</b> <b>Comment Accepted</b> Termi <b>Operator</b> është i përkufizuar edhe në Ligjin Nr 04/L-109 për Komunikimet Elektronike. Nuk është e nevojshme të vendoset edhe në këtë Rregullore, pra ky përkufizim fshihet.</p> <p><b>M.Ibrani:</b> <b>Comment not accepted</b> <b>Sqarim</b></p>
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<p><b>1.6 Installation of electronic communications networks</b> – assembly of electronic communications network lines and equipment in the existing structures, between them, on supports, posts, masts, frames, cable ducts without carrying out earth-moving, assembly of radio equipment and antennae of electronic communications networks, if in compliance with a technical project for the installation of electronic communications networks (hereinafter – installation project) the security, bearing capacity or stability of the constructions of the structure is not deteriorated and enhancement thereof, as well as simplified construction or reconstruction of engineering network leads and internal engineering networks need not be performed.</p> <p><b>1.7 Reconstruction of electronic communications networks</b> – change of a part of an electronic communications network or equipment thereof or other related works in a protective zone, or change of internal network of electronic communications, part thereof or equipment thereof, or change of the electronic communications network or amount of equipment part thereof, retaining the existing functions.</p> <p><b>1.8 Cable ducts</b> – pipes placed in the ground or in constructions of structures or a set thereof and cable manholes or other</p>		
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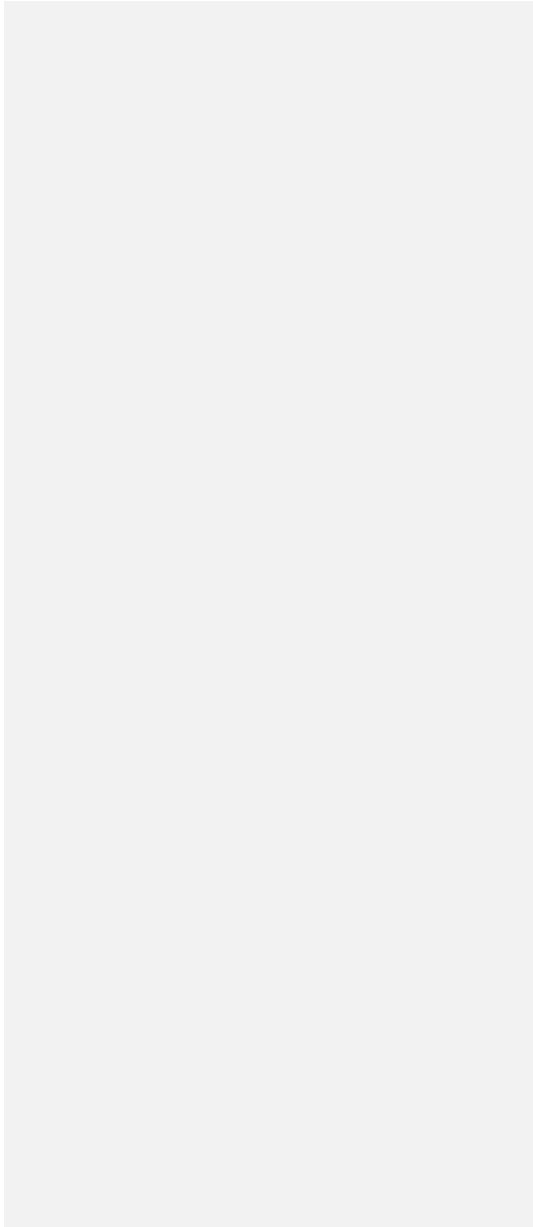
<p>underground premises provided for the purpose of installation, un-installation of the electronic communications cables and for their protection.</p> <p><b>1.9 Cable Protection zones</b> - protection zones which are determined along transport, telecommunications and other communication lines, as well as around objects, which ensure the operation of different public services. The main task of cable protection zones shall be to ensure the effectiveness, safe maintenance and development possibilities referred to communications and objects.</p> <p><b>1.10 Hidden construction work</b> - all construction work that has been conducted underground or inside the wall that are covered</p> <p><b>1.11 Horizontal route</b> – a part of a building’s engineering system for laying communications cables from a distribution cabinet to electronic communications sockets and (or) to distribution boxes, over ducts.</p> <p><b>1.12 Cable communications line</b> - a copper or fiber-optic communications line for transmission of signals by means of wires.</p> <p><b>1.13 Collectors</b> – structures for laying underground cables and pipes of different</p>		
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<p>purposes and performing their mounting, maintenance and repair works.</p> <p><b>1.14 Trunk route</b> – a part of a building’s engineering system for laying communications cables among an electronic communications line inlet, a distribution nodal point and distribution cabinets located in one building, over ducts.</p> <p><b>1.15 Overhead communications line</b> – a copper or fiber-optic communications line for transmission of signals by means of wires, laid overhead and attached to supports, poles or building structures.</p> <p><b>1.16 Electronic communications line inlet</b> – a place where a building’s trunk routes interconnect with electronic communications networks.</p> <p><b>1.17 Manhole of a communications cable duct system</b> – an underground chamber for installation of communications cable ducts and for inserting and (or) removing, mounting, connecting, using communications cables and for installing other electronic communications equipment and protecting them.</p> <p><b>1.18 Distribution point</b> – a place where electronic communications equipment (switching over (switching) devices, splitters, transmission devices, etc.), intended for physical connection and (or)</p>		
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<p>distribution of electronic communications networks and (or) electronic communications systems are installed (a room, an alcove, a distribution cabinet, a distribution box, a pole, etc.).</p> <p><b>1.19 Cable channel infrastructure</b> – a part of Electronic communications infrastructure which includes all constructive elements, holding constructions, and accessories holding copper cable or optical fiber, by which electronic communications are made possible.</p> <p><b>1.20 Electronic communications infrastructure</b> - physical infrastructure, which is made of hardware equipment, including antennae, lines, tubes, cables, channels, conductors, manholes and cabinets, pillars and other supporting constructions, buildings or entrances to residential buildings, dedicated for electronic communications service provision.</p> <p><b>1.21 Abbreviations</b> used in this Regulation shall have the following meanings:</p> <ul style="list-style-type: none"><li><b>HDPE</b> – implies high-density polyethylene,</li><li><b>PE</b> – implies polyethylene.</li><li><b>PVC</b> – implies polyvinyl chloride.</li></ul>		
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<p>2. Other terms used in this Regulation shall have the meaning set forth in the Law No. Law no. 04 / I.-109 on Electronic Communications</p>		
<p style="text-align: center;"><b>Article 4 Principles</b></p> <p>1. Municipalities are encouraged that during new infrastructure investments to include underground electronic communications infrastructure in urban areas.</p> <p>2. It is not allowed to install overhead cables in historical areas of urban zones after the date 01 January 2018.</p> <p>3. Before the <b>first of January 2018</b>, Municipalities in urban areas have to elaborate a plan to remove all overhead cables in cultural heritage areas, deadline of the removable action should be no later than <b>31.12. 201_</b>.</p> <p>4. Entrepreneurs should mark their existing infrastructure no later than <b>first of January 2019</b>.</p>	<p><b>A.Hyseni (ZKM):</b> Nenit 4 i projekt rregullores duhet të zhvendoset te dispozitat kalimtare pasi që aktet juridike që krijojnë efekte juridike në kohë dhe hapësirë, sipas standardeve duhet të vendosen tek dispozitat kalimtare.</p> <p><b>IPKO</b> Comment: - Under paragraph 3 of this Article, to extend the deadline for removing overhead cables to 2 years. - To add a paragraph, wherein the municipality provides an alternative plan for removal of air infrastructure into underground infrastructure</p> <p>Proposal: - The deadline for their removal shall not be longer than 31.12.2019 - Municipalities will provide an alternative to the entrepreneurs for removal of air infrastructure into underground infrastructure through the MED and the Authority.</p>	<p><b>A.Hyseni (ZKM):</b> <b>Komenti pranohet.</b> Nenit 4 i projekt rregullores të zhvendoset te dispozitat kalimtare <u>dhe i ndërrohet titulli.</u></p> <p><b>IPKO</b> <b>Comment partially accepted</b> - Paragraph 3 is amended as follows: <i>Before the first of January 2019, Municipalities in urban areas have to elaborate a plan to remove all overhead cables in cultural heritage areas, deadline of the removable action should be no later than 31.12.2020.</i> - Proposal to add an additional paragraph is partially accepted and is formulated as follows: <i>Municipalities will provide information upon request of the entrepreneur for possibilities of removal of air infrastructure into underground infrastructure.</i></p>
<p style="text-align: center;"><b>Article 5 Notification of Planning (Designing) of the outdoor electronic communications infrastructure</b></p> <p>1. The entrepreneurs that plan to construct, re-construct, install or <b>un-install</b> outdoor electronic</p>	<p><b>M.IBRANI</b> Termi cinstaloj te konsultohet a perdoret ne gjuhen shqipe Shtrij infrastrukture mbeshtetese te jashtme per komunikime elektronike Largoj infrastrukture te jahstme...</p>	<p><b>M.IBRANI</b> <b>Komenti është analizuar</b> Janë marrë në konsiderim edhe terme alternative, por përdorimi i termit <b>çinstaloj</b> është konsideruar si më i përshtatshmi marrë parasysh edhe përdorimin e këtij</p>

<p>communication infrastructure is obliged to inform the Authority and the respective municipality or municipalities in which territory is planned to construct or install the outdoor electronic communications infrastructure.</p> <p>2. The information mentioned in paragraph 1 of this article has to be provided no later than <b>6 months</b> before the construction or installation will be started.</p> <p>3. The minimum information to be provided as referred Annex 1:</p> <p>3.1 Owner of the network;</p> <p>3.2 Type of network and type of work;</p> <p>3.3 Territory of the municipality or municipalities in which infrastructure is planned to be deployed (the planned construction or installation place should be dedicated if possible);</p> <p>3.4 Planned date to start and finish;</p> <p>3.5 Contact Person;</p> <p>4. The Authority shall publish on their website the information mentioned in the paragraph 3 of this article.</p>	<p><b>Operatorët (IPKO, KOSCABLE, TELEKOM, FIBERLINK)</b> gjatë takimit për diskutimin e komenteve kanë kërkuar që afati për njoftimin e planifikimit prej 6 muaj të shkurtohet në 3 muaj.</p> <p><b>IPKO</b> Comment: To add a new paragraph wherein the municipality or municipalities where the construction, reconstruction is planned to occur .... within a 15-day time limit to notify the entrepreneur about the receipt of information and the approval to continue with a more detailed plan of infrastructure construction and installation.</p> <p>A more clear explanation related to paragraph 2.</p> <p>Proposal:</p> <ul style="list-style-type: none"> <li>- Paragraph 4. Respective municipality or municipalities, following receipt of minimum information under paragraph 3, are obliged to return to the entrepreneur within 15 days, a response on approval or rejection.</li> <li>- Paragraph 5. The Authority shall publish on their website the information mentioned in paragraph 3 of this Article.</li> </ul>	<p>termi edhe nga shumica e institucioneve dhe autorëve profesional shqipëtar.</p> <p><b>Operatorët (IPKO, KOSCABLE, TELEKOM, FIBERLINK)</b> <b>Komenti pranohet</b> Paragrafi 2 i Nenit 5 është pranuar që të ndryshohet dhe afati për njoftimin e planifikimit prej 6 muaj të shkurtohet në 3 muaj.</p> <p><b>IPKO</b> <b>Comment partially accepted</b></p> <p>Here it is not required an approval from the municipality, rather than informing about the notification phase. However the authority and the respective municipality or municipalities shall publish on their website the information mentioned within 15 working days of the receipt of information.</p> <p>Paragraph 4 is amended as follows: <i>The Authority and the respective municipality or municipalities shall publish on their website the information mentioned in the paragraph 3 of this article within 15 working days upon the receipt of information.</i></p>
<p><b>Article 6</b> <b>Submission and Acceptance of the Plan (Design) of the electronic communications infrastructure</b></p>		

<p>1. The entrepreneur shall submit the detailed plan of the construction or outdoor installation to the municipality and the Authority.</p> <p><b>2. Minimal requirements for content of the detailed plan of the construction of the electronic communications infrastructure:</b></p> <p>2.1 Project activities;</p> <p>2.2 Description of the project;</p> <p>2.3 Drawings of the high level design of the plan;</p> <p>2.4 Detailed drawings of topography in scale of at least M 1:1000;</p> <p>2.5 List of materials and components;</p> <p>2.5 Plan of restoring in the previous state before construction works;</p> <p>2.7 Profile drawing for:</p> <p>2.7.1 Crossing the Road with road surface opening, showing cable or duct installation depth on a scale M 1:100 or M 1:200;</p> <p>2.7.2 Crossing the road with drilling showing cable or duct installation depth on a scale M 1:50 or M 1:100;</p>	<p><b>IPKO</b></p> <p>Comment: To add the word: underground</p> <p>Proposal: - Article 6, paragraph 2 Minimum requirements for content of the detailed plan of the construction of the <b>underground</b> electronic communications infrastructure:</p>	<p><b>IPKO</b></p> <p><b>Comment not accepted</b></p> <p>This Regulation <b>also</b> covers overhead electronic communications infrastructure and installation of cable cabinets which are not underground infrastructure.</p>
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<p>2.7.3 Crossing rivers showing cable or duct installation depth on a scale M 1:100 or M 1:200;</p> <p>2.8 Detailed timeline of the construction works;</p> <p><b>2.9 Other requirements specified in the rules of the relevant municipality</b></p> <p>3. Minimal requirements for content of the detailed plan of the outdoor installation of the electronic communications infrastructure:</p> <p>3.1 Project activities</p> <p>3.2 Description of the project;</p> <p>3.3 Drawings of the high level design of the plan (SKICE);</p> <p>3.4 Detailed drawings of topography in scale of at least M 1:1000;</p> <p>3.5 List of materials and components;</p> <p>3.6 Detailed timeline of the outdoor installation works;</p> <p><b>4. Minimal requirements for content of the plan of the indoor installation of the electronic communications infrastructure:</b></p>	<p><b>IPKO</b> We request this to be a standard for all municipalities and be removed from this paragraph</p> <p><b>IPKO</b> Comment: To add the word “object” with the purpose of precisising it.</p> <p>Proposal: Article 6, Paragraph 4. Minimum requirements for content of the plan of the indoor installation of the electronic communications infrastructure <b>object</b></p>	<p><b>IPKO</b> <b>Comment Accepted</b> Sub-paragraph 2.9 to be removed</p> <p><b>IPKO</b> <b>Comment Accepted</b> Paragraph 4 is amended as follows: <i>Minimal requirements for content of the plan of the indoor installation of the electronic communications infrastructure <b>object</b>.</i></p>
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<p>4.1 Description of the activities;</p> <p>4.2 Drawings of the high level design of the plan;</p> <p>4.2 List of materials and components;</p> <p>4.4 Timeline of the indoor installation works;</p> <p>5. The entrepreneur that plans to construct, re-construct, remove, <b>install or un-install</b> outdoor electronic communication infrastructure shall have consent from the municipality and acceptance from entities which are having underground infrastructure in the cable protection zones where the construction or <b>installation</b> is planned to be deployed.</p> <p>6. For indoor installations, entrepreneur shall have consent <b>from</b> the owners of the property.</p> <p><b>7. Drawings of the detailed plan mentioned in paragraph 1 of this article must be presented with symbols that have to be explained in the legend.</b></p>	<p><b>M.IBRANI</b> vendos dhe largoj</p> <p><b>E.Stavileci (Fiberlink)</b> Proposal – to be added: in order to preserve the infrastructure of other entities</p> <p><b>M.IBRANI</b> edhe nga (also from)</p>	<p><b>M.IBRANI</b> <a href="#">Komenti është analizuar më lartë</a></p> <p><b>E.Stavileci (Fiberlink)</b> Comment Accepted</p> <p>Paragraph 4 is amended and split into two paragraphs as follows:</p> <p><i>5. The entrepreneur that plans to construct, re-construct or remove outdoor electronic communication infrastructure shall have consent from the municipality and acceptance from entities which are having underground infrastructure in the cable protection zones where the construction is planned to be deployed <b>in order to preserve the infrastructure of other entities.</b></i></p> <p><i>6. The entrepreneur that plans to install or un-install outdoor electronic communication infrastructure shall have consent <b>from the municipality or Ministry responsible for national roads in case it is necessary to limitate road traffic in the cable protection zones where the installation is planned to be deployed.</b></i></p> <p><b>M.IBRANI</b> Comment not accepted</p>
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<p>8. Municipality is obliged to provide information upon request about entrepreneur which have existing infrastructure <b>in the relevant cable protection zones.</b></p> <p>9. <b>The acceptance of the plan/design for construction and outdoor installation is valid for not more than 1 year.</b></p>	<p><b>N.Kelmendi (MD):</b> It would be good that in Article 6, for the submission of the plan; to be noted that; <b>project has to be made in Kosovaref01 coordinate system.</b> In order for these projects to be included in a GIS database or AutoCAD.</p> <p><b>F.Stavileci (Fiberlink)</b> Proposal – to be added also this part: as well as other entrepreneurs are obliged to offer drawings of their networks in order to preserve the infrastructure that was built before.</p> <p><b>IPKO</b> Comment: The deadline to be longer, for a 3-year period. Proposal: Article 6, Paragraph 9. The approval of the plan/design for construction and outdoor installation is valid for not more than 3 year.</p>	<p>Entrepreneurs shall have consent <b>only</b> from the owners of the property. For the indoor installations no need for other consent.</p> <p><b>N.Kelmendi (MD):</b> <b>Comment Accepted</b> Paragraph 7 is now paragraph 8 and is amended as follows:</p> <p><i>8. Drawings of the detailed plan mentioned in paragraph 1 of this article must be presented with symbols that have to be explained in the legend. So far, the national standards for symbols for network infrastructure design will not be elaborated. Drawings have to be made in a form that is suitable for placement in electronic Atlas (GIS) in accordance with official coordinate system Kosovaref01.</i></p> <p><b>F.Stavileci (Fiberlink)</b> <b>Comment not accepted</b></p> <p>It is defined in the article 12, the transition period. Operators have to send the information about their infrastructure to the Ministry, Authority, and municipality.</p> <p><b>IPKO</b> <b>Comment partially accepted</b></p> <p>Paragraph 9 is now 10 and is amended as follows:</p> <p><i>10. The acceptance of the plan/design for construction and outdoor installation is valid for not more <b>than 2</b> years.</i></p>
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<p>10. If Municipality does not agree with the route of the infrastructure, they shall provide alternative solution.</p>	<p><b>M.IBRANI:</b> What about after 1 year. Does the procedure start from the beginning? Maybe it is needed to clarify if 1 year passes, how to proceed?</p> <p><b>IPKO</b> Comment: To have a deadline for solution/response</p> <p>Proposal: - Article 6, Paragraph 10. If Municipality does not agree with the route of the infrastructure, it shall provide an alternative solution within a 15-day time period.</p> <p><b>Elhami(KOSCABLE):</b> Rrjetat egzistuese te Legalizohen pa ndonje kusht i cili do ti rendoje apo edhe do ti eliminoje nga tregu operatoret egzistues. (Koheve te Fundit operatoret kan presion nga Komunitat qe rrjetat egzistuese ti legalizojne duke i taksuar per cdo meter gjatesi e cila vetem se eshte egzistuese me vite te tere. Disa Komuna kan Bere rregullore dhe cmime duke filluar nga 0.5€per meter gjatesi).</p> <p>Ne propozime qe te legalizohet rrjeta dhe te digjitalozihet por jo te ngarkohen me takse ndertimi per rrjetat egzistuese, ndersa per rrjetat e reja ateher te behen nje pagese simbolike dhe te stimulohet futja e kablllove ne gypa nentoksore, dmth taksa per gropim te hiqet dhe te behet nje pages administrative qe i mbulon shpenzimet e komunes per te mbarvajtur dhe monitoruar projektin, Kete gjë e ka parapa edhe</p>	<p><b>M.IBRANI:</b> <b>Explanation</b> After two years, The procedure starts from the beginning.</p> <p><b>IPKO</b> <b>Comment partially accepted</b></p> <p>Paragraph 10 is now 11 and is amended as follows: <i>11. If Municipality does not agree with the route of the infrastructure, they shall provide the reason within a 15-working day period.</i></p> <p><b>Elhami(KOSCABLE):</b> <b>Comment not accepted</b></p> <p>This regulation does not regulate any taxes, but Law on Electronic Communications, Article 22 paragraph 6 regulates this issue “The construction of public communications networks and associated facilities is in the public interest. The immovable property tax do not apply for public communications networks and associated facilities, including those used for the mobile (e.g. GSM), base stations, satellites and the underground infrastructure”</p>
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	ARKEP ne strategjin per Digjitalizim deri ne vitin 2020.	
<p align="center"><b>Article 7</b> <b>Minimum Requirements for materials and components</b></p> <p>1. If the metal construction will be used as part of the infrastructure, they must have a protection against rust for a minimum of 10 years.</p> <p>2. Only cables which do not provide flame and toxic gas should be used for indoor installations.</p> <p>3. All cables have to be used according to the cable producer requirements.</p> <p>4. Covers of manholes have to meet requirements regarding the load (40 Tons if it is placed in the surface of the roads).</p> <p>5. Doors for outdoor cable cabinets and covers for distributions points have to be equipped with the lock.</p>		<p>In addition to the request to include the definitions of the terms Indoor and Outdoor Construction/Installation it is seen as necessity to add two additional paragraphs and to rearrange other paragraphs of this Article:</p> <p><i>2. For indoor installation/construction only specific indoor materials and components may be used.</i></p> <p><i>7. In specific premises, with a constant high level of humidity were components and materials for outdoor construction/installation work may be used except cables and other materials which provide flame and toxic gas.</i></p>
<p align="center"><b>Article 8</b> <b>Safety requirements and infrastructure protection zones</b></p> <p>1. Entrepreneur is obliged to elaborate and publish their safety rules which will ensure the protection of staff, customers, property, and network during the construction, re-construction, removing, installation and uninstallation during the activities mentioned d in this Regulation.</p>		



<p>2. If a cable or a cable duct is installed under the pedestrian, the red and white warning tape has to be placed above the cable or cable duct, where the distance between tape and cable or cable duct cannot be less than 0.2 m.</p> <p>3. If a cable or a duct is installed in other places other than the pedestrian, the distance between the surface and tape cannot be less than 0.4 m.</p> <p>4. Protection zones for underground infrastructure cabling/ducts:</p> <p><b>4.1 Minimum cable protection zone distance from the last cable or duct should be no less than 1 m on one side and 1 m on the other side, both measured horizontally.</b></p> <p>4.2 Minimum depth distance between the top of the cable and the surface of the pedestrians should be no less than 0.8 m.</p> <p>1.1 Minimum depth distance between the top of the duct and the surface of the pedestrians should be no less than 0.4 m.</p> <p>1.2 Minimum depth distance between the top of duct and the surface of all the other cases should be no less than 0.6 m.</p>	<p><b>IPKO</b></p> <p>Comment: A more clear explanation or to remove this paragraph as it is regulated under Table 4 of Annex 4:</p> <p>Proposal: <b>F.Stavileci (Fiberlink) 4.1</b> to describe better, because it is hardly understood</p>	<p><b>IPKO - F.Stavileci (Fiberlink) 4.1</b></p> <p>Table 4 of annex 4 does not specify the distance for cable protection zone.</p>  <p>The diagram shows three circles representing cables or ducts arranged horizontally. On the left and right sides of the entire group, there are double-headed arrows indicating a distance of 1 meter (1M) from the outer edge of the group to the start of the protection zone.</p>
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<p>5. If you cross another infrastructure, negotiation is needed for how to cross it. The mentioned dimensions may not apply for this case. Refer to the Table 6 and Table 8 of the Annex 4 of this Regulation for the minimum distances between Telecom Infrastructure and other infrastructures.</p>		
<p style="text-align: center;"><b>Article 9</b></p> <p style="text-align: center;"><b>Requirements for starting the construction and installation work</b></p> <p>1. Before starting the outdoor construction work or the outdoor installation (that impede road traffic), the entity who is responsible for the construction work has to obtain the permission from the relevant municipality. Refer to the Annex 2 for the Construction Permission Form.</p> <p>2. To obtain the permission from the municipality, the entrepreneur shall submit:</p> <p style="padding-left: 40px;">2.1 Copy of the project with all the valid acceptances;</p> <p style="padding-left: 40px;">2.2 Copy of Act of Expertise in case it is required by the applicable laws if necessary;</p> <p style="padding-left: 40px;">2.3 Copy of the agreement with the owner of the land, if the land is private property;</p> <p style="padding-left: 40px;"><b>2.4 Other requirements specified in the rules of the relevant municipality</b></p> <p>3. Municipality cannot refuse the request for permission if the entrepreneur has submitted all the requested documents.</p>	<p><b>B.BYTYQI (MFSK):</b></p> <p>Komenti: Pamvarësisht adaptimit të pikave të përshkruara më lartë në pjesën e rregullores ku përshkruhen kushtet për dhënie e lejes së ndërtimit të infrastrukturës dhe rrjeteve për komunikime elektronike, neni 9 kërkesat për fillimin e ndërtimit dhe instalimit, duhet të shtohet edhe një kriter i veçantë që përfshin dhënie e pëlqimit nga institucionet e veçanta shtetërore të mbrojtjes dhe sigurisë për mos interferim.</p> <p>Propozimi: Pika 2.5 “Pëlqimi nga organet e sigurisë dhe mbrojtjes së infrastruktura dhe instalimet e planifikuara nuk krijonjë interferencë apo nuk pengojnë zhvillimin e qëndrueshëm dhe të sigurt të komunikimit të tyre në nivel lokal dhe shtetëror.”</p> <p><b>IPKO</b></p> <p>Comment: We request this to be a standard for all municipalities and this paragraph to be removed.</p> <p>Proposal:</p>	<p><b>B.BYTYQI (MFSK):</b></p> <p>1. <b>Komenti nuk pranohet</b></p> <p>Rregullorja për ndërtimin, instalimin dhe mbikëqyrjen e infrastrukturës së komunikimeve elektronike, përcakton kërkesat, procedurat, kushtet dhe specifikimet teknike, sipas të cilave ndërmarrësit angazhohen në planifikim (projektim), ndërtim, instalim dhe mbikëqyrje të infrastrukturës së komunikimeve elektronike nëntokësore dhe ajrore, respektivisht të linjave nëntokësore dhe linjave ajrore. Pra këto nuk përfshijnë pajisjet siç janë antenat apo pajisjet tjera që mund të shkaktojnë interferenca dhe/apo pengesa në zhvillimin e qëndrueshëm dhe të sigurt të komunikimeve të tyre.</p> <p><b>IPKO</b></p> <p><b>Comment Accepted</b></p> <p>Paragraph 4 is amended as follows:</p> <p><i>2.4 Daytime and week-days when the work will be done;</i></p>

<p>4. All construction work has to be done according to Annex 4 for Indoor, Outdoor construction and cable laying.</p> <p>5. It is no necessary to ask for any permission to start indoor installations if it is accepted according to Article (Article 6 - Submission and Acceptance of the Plan (Design) of the electronic communications infrastructure).</p> <p>6. The permission to start indoor construction work has to be obtained only by the owners of the property.</p>	<p><b>IPKO</b> Comment: To add a paragraph. Paragraph 4. Proposal: - Article 9, paragraph 4. Municipality or municipalities must notify the entrepreneur, within a 30-day period, regarding the request of the entrepreneur for starting the construction and installation works, and if they do not notify within 30 days, it shall be considered as approved.</p> <p><b>IPKO</b> Comment: This is a technical error, instead of acceptance, it should be approval (ref. Article 6)</p> <p><b>Zyra Ligjore e MZHE</b> Të fshihet titulli i nenit, referenca bëhet veq në numër të nenit apo paragrafit.</p> <p><b>Elhami(KOSCABLE):</b> Until now, we received a proposal regarding interventions in the existing networks, when we have any cable rupture or optical cable damage and a significant number of clients remain without service, then the operator has to intervene at any time to fix the cable or change it in order to restore the signal back to function, in these cases, Municipal Institution or competent Authority cannot be informed in advance.</p>	<p><b>IPKO</b> <b>Comment Accepted</b> New paragraph has been added – 4 and reformulated as follows:  <i>Article 9, paragraph 4. Municipality or municipalities must notify the entrepreneur, within a 20- working day period, regarding the request of the entrepreneur for starting the outdoor construction and installation works, and if entrepreneur is not notified within 20 working days, it shall be considered as approved.</i></p> <p><b>IPKO</b> <b>Comment Accepted</b></p> <p><b>Zyra Ligjore e MZHE</b> <b>Komenti pranohet</b></p> <p><b>Elhami(KOSCABLE):</b> <b>Comment Accepted</b>  To split the work that has to be done in order to restore the network after a fault occurred and other non-urgent works (ie planned) for the reconstruction of electronic communications networks, a new Article has been added "<b>Information in urgent situations</b>" as follows:</p>
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	<p>1. Tek rrjeta egzistuese ne raste te demtimit te kablllove apo kputjve ne keto raste duhet te ket perjashtime per te njoftuar autoritet, pershkak se boterisht dihet ndjeshemria e informimit dhe klienti nuk pret per te informuar autoritet e pastaj te behet renovimi.</p>	<p style="text-align: center;"><b>Article 9</b> <b>Information in Urgent situations</b></p> <p>1. In case of accident were the infrastructure components will be damaged, the entrepreneur is obliged to inform the municipality about urgent activities to restore the network:</p> <p>1.2 if the entrepreneur plans to restore the network during working hours, he has to inform the municipality at least 2 hours before activities will be started.</p> <p>1.3 if the entrepreneur has received information about the damaged network during non-working hours but plans to restore the network during working hours, he has to inform the municipality 2 hours before the restoration activities will be started.</p> <p>1.4 if the entrepreneur has received information about the damaged network during non-working hours and plans to restore the network during non-working hours, he has to inform the municipality the next working hour.</p> <p>2. The municipality has to answer to received information no later than <b>1</b> hour during working days.</p> <p>3. In case described in subparagraph 1.3, the entrepreneur can start to restore the network as soon as possible.</p> <p>4. If the municipality does not answer, the entrepreneur can start the restauration work.</p>
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		<i>5. This article applies to urgent works on the streets, roads, and other places where urgent restoration activities will make limitation on the road traffic</i>
<p style="text-align: center;"><b>Article 10 Supervision</b></p> <p>1. Municipalities have to provide construction and outdoor installation supervision during all the construction process on the territory of that municipality.</p> <p>2. If the construction work is provided nearby or crossing another owner's infrastructure, the entity responsible for the construction work has to ask for the supervision from the owners of that infrastructure.</p> <p>3. The entity responsible for the construction work has to ask for the supervision from other entities if it is required by other legal acts.</p> <p>4. Inspection of Construction and outdoor installation shall be done from the Municipality Inspectors.</p>		
<p style="text-align: center;"><b>Article 11 Acceptance of the complete project</b></p> <p>1. Owner of the network request all entities which accepted the project to give their opinion about the completion of the project according to their competences.</p>		

<p>2. Entities mentioned in paragraph 1 of this article have to give their opinion within <b>10 days</b> after receiving the <b>request</b> from the owner of the network.</p> <p>3. If after 10 days, answer will not be received, it means that this entity accepted the completion of the project.</p> <p>4. The construction company that provided all construction work has to elaborate acceptance acts for all hidden construction work according to the project. Refer to the Annex 3 for template for acts for hidden construction work.</p> <p>5. Act for hidden construction work has to be signed by:</p> <p style="padding-left: 40px;">5.1 Construction company representative;</p> <p style="padding-left: 40px;"><b>5.2 Designer of the project;</b></p> <p style="padding-left: 40px;">5.3 Representative of the network owner;</p> <p style="padding-left: 40px;">5.4 Municipality representative or representative from the Ministry responsible for Infrastructure in case of regional and national roads;</p> <p>6. After the above mentioned procedures are completed and signatures are received from the above mentioned entities, the act of acceptance has to be created and signed by:</p>	<p><b>M.IBRANI</b> 10 working days or calendar days?</p> <p><b>F.Stavileci (Fiberlink) Art11 – p1, p2</b> <b>How is this request done?</b></p> <p><b>IPKO</b> Comment: A explanation is required; should the designer be a licensed person or may he be a person working in the enterprise and who is an engineer or who performs designs. Proposal:</p> <p><b>F.Stavileci (Fiberlink)</b> <b>I believe it is sufficient to be signed by the municipality representative, since it is very hard to be monitored by the designer throughout all the network construction period. Also in Annex 3 – to remove the designer of the project.</b></p>	<p><b>M.IBRANI</b> Working days</p> <p><b>F.Stavileci (Fiberlink) Art11 – p1, p2</b> <b>Comment Accepted</b></p> <p>Paragraph 2 is amended as follows:</p> <p><i>2. Entities mentioned in paragraph 1 of this article have to give their opinion within 10 <b>working</b> days after receiving the <b>written</b> request from the owner of the network.</i></p> <p><b>IPKO</b> Explanation: The level of qualification of the designer of the project should be according to the Construction Code.</p> <p><b>F.Stavileci (Fiberlink)</b> <b>Comment not accepted</b></p> <p>The designer of the project or any person who is authorised by the designer has to be sure that all the job is done according to the project.</p> <p>Paragraph 5.2 is amended as follows:</p> <p><i>5.2 <b>Representative</b> of the designer of the project;</i></p>
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<p>6.1 Representative of the Owner of the network;</p> <p><b>6.2 Representative of the designer of the project;</b></p> <p>6.3 Representative of the construction network;</p> <p>6.4 Municipality representative;</p> <p>6.5 Representative of the Owner of the property if the property is not public owned;</p> <p>7. The decision has to be done no later than after 1 month after receiving the information from the entity mentioned in paragraph 1.</p> <p>8. Dispute resolution for not acceptance of construction work, parties must go to the court.</p> <p>9. Dispute Resolution for not acceptance of installation work of the electronic communications infrastructure, parties should go to the Authority to request an opinion.</p>	<p><b>F.Stavileci (Fiberlink)</b> Act the same as in point 5.2</p> <p><b>F.Stavileci (Fiberlink)</b> Points 5 and 6 are similar. I believe it is sufficient the point 6 for the acceptance act and point 5 to be removed completely.</p>	<p><b>F.Stavileci (Fiberlink)</b> <b>Comment not accepted</b> The designer of the project or any person who is authorised by the designer has to be sure that all the job is done according to the project.</p> <p><b>F.Stavileci (Fiberlink)</b> <b>Comment not accepted</b> They are two different things, the first one is about act for hidden construction works (may be more than one) and the second one is for the complete construction works.</p>
<p align="center"><b>Article 12</b> <b>Final provisions</b></p> <p>1. Requirements of the present regulation shall be binding for application by entrepreneurs that will construct/laid any electronic communications infrastructure after entry into force of this regulation.</p>		

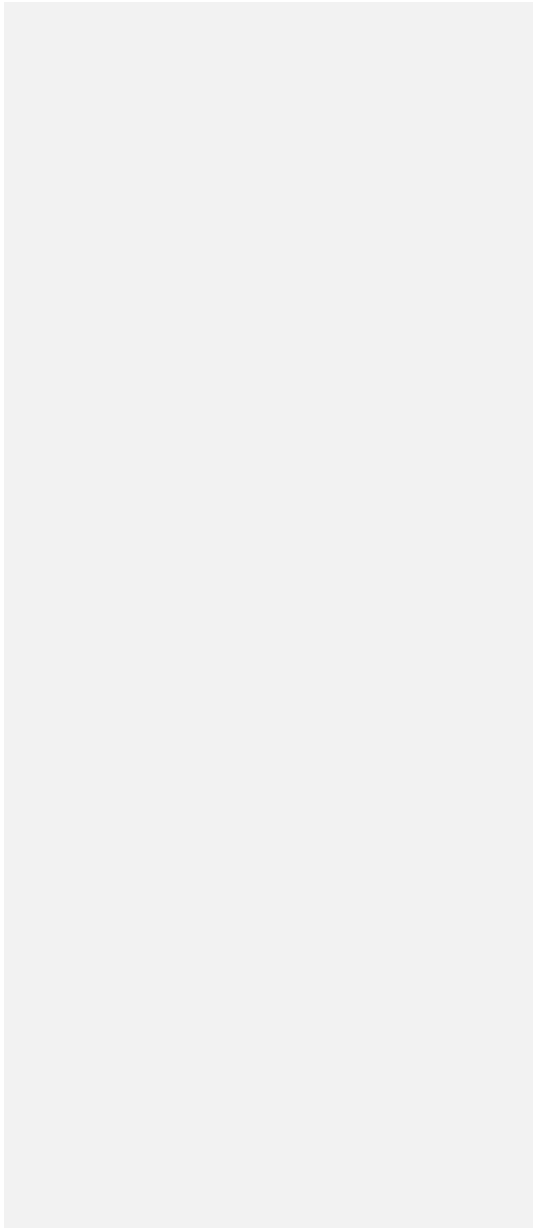
<p>2. For as much as possible, requirements of the present regulation shall be applied for entrepreneurs that have constructed/laid any electronic communications infrastructure before entry into force of this regulation.</p> <p>3. All existing entrepreneurs shall, within 12 months, submit to the Ministry and Authority full information on existing infrastructure of electronic communications, and specifically records of properties on which the right of way has been exercised, infrastructure in their possession and constructed networks.</p> <p>4. These technical conditions shall enter into force within 90 days from the date of publication in the Official Gazette.</p>	<p><b>F.Stavileci (Fiberlink)</b>  <b>Propozim:</b> There is no need to apply it again on the existing infrastructure that was built before and we propose to remove this point.</p> <p><b>B.Krasniqi:</b>  Propozoj qe te perfshihen ne dokument.  1. In Article 12, paragraph 3, I propose to request from all existing entrepreneurs to send the data of their existing infrastructure in a form that is suitable for placement in Atlas (GIS) in order for the future to be easily identifiable.</p> <p><b>IPKO</b>  Comment:  We request the deadline for submission of information to be longer.</p> <p>Proposal:  Article 12, paragraph 3. All existing entrepreneurs shall, within 36 months, submit to the Ministry and Authority full information on existing infrastructure of electronic communications, and specifically records of properties on which the right of way has been exercised, infrastructure in their possession and constructed networks.</p>	<p><b>F.Stavileci (Fiberlink)</b>  <b>Comment partially accepted</b></p> <p>Paragraph 2 is amended as follows:</p> <p><i>2. Requirements for marking and providing information about existing electronic communications infrastructure shall be applied also for entrepreneurs that have constructed/installed any electronic communications infrastructure before entry into force of this regulation.</i></p> <p><b>B.Krasniqi:</b>  <b>Comment Accepted</b></p> <p>Paragraph 3 is reformulated taking into account IPKO comment as follows:</p> <p><b>IPKO</b>  <b>Comment Accepted</b></p> <p>Paragraph 3 is amended as follows:</p> <p><i>3. All existing entrepreneurs shall, within 36 months after entry into force of this Regulation, submit to the Ministry and Authority full information on existing infrastructure of electronic communications in a form that is suitable for placement in electronic Atlas (GIS), in accordance with official coordinate system Kosovare01. Entrepreneurs are obliged to start to provide this information no later than after 12 months after entry into force of this Regulation and to continue to provide this information in quarterly basis proportionally.</i></p>
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	<p><b>F.Stavileci (Fiberlink)</b>  Proposal: to be added also this explanation: Enterpreneurs tha thave built networks in the places that are managed by the municipality shall submit to the municipality, information about the constructed network, whereas for the networks crossing national and regional roads – information shall be submitted to the relevant Ministry.</p> <p><b>IPKO</b>  Comment:  To add a paragraph under Article 12 “Final Provisions”</p> <p>Proposal:  - Upon the entry into force of this Regulation, all legal provisions of Municipalities, which set forth construction, installation and supervision of electronic communications infrastructure shall be repealed.</p>	<p><b>F.Stavileci (Fiberlink)</b>  <b>Comment not accepted</b>  It is already possible to send the information to the municipiaplity during the transition period.</p> <p><b>IPKO</b>  <b>Comment not accepted</b>  Through this Regulation it is not possible to repeal legal provisions of municipalities. This may be addressed during the draft process (next year) of the Law that will transpose EU Directive 2014/61 (Directive 2014/61 / EU on measures to reduce the cost of deploying high-speed electronic communications networks)</p>
<p align="center"><b>Article 13  Entry into force</b></p> <p>This Regulation shall enter into force seven (7) days after it is signed by the Minister of Economic Development.</p>	<p><b>A.Hyseni (ZKM):</b>  Projekt-rregullores (MZHE) nr. XX/2017 për ndërtimin, instalimin, dhe mbikëqyrjen e infrastrukturës së komunikimeve elektronike, duhet ti shtohet një nene i ri pas nenit 12 ku duhet të ceket se shtojcat që i janë bashkëngjitur kësaj Rregulloreje, janë pjesë përbërëse e saj dhe duhet të numërohen shtojcat p. sh: Shtojca 1: Forma për minimumin e informatave që duhet dorëzuar në fazën e njoftimit për planifikimin (projektimin) e infrastrukturës së jashtme të komunikimeve elektronike.</p>	<p><b>A.Hyseni (ZKM):</b>  <b>Comment Accepted</b></p> <p>A new Article has been formulated as follows:</p> <p align="center"><b>Article 15  Annexes</b></p> <p>The following Annexes attached to this Regulation, are integral part of it:</p> <p>1.1 Annex number 1: Minimum information that shall be provided for the notification of Planning (Designing) of the outdoor electronic communications infrastructure phase.</p>

		<p>1.2 Annex number 2: Construction Permit Form for construction of the electronic communications infrastructure.</p> <p>1.3 Annex number 3: Hidden Infrastructure (cable and duct) Form for signatures</p> <p>1.4 Annex number 4: Indoor, Outdoor Constructions and Installations</p>
<p>Blerand STAVILECI</p> <p>_____</p> <p>Minister of Economic Development</p> <p>Prishtinë, on _____. _____. 2017</p>		
<p><b>ANNEXES</b></p> <p><b>Annex 1: Minimum information that shall be provided for the notification of Planning (Designing) of the outdoor electronic communications infrastructure phase.</b></p>		
<p>1. The minimum information that shall be submitted:</p> <p>1.1 Owner of the network;</p> <p>1.2 Type of network and type of work;</p>		

<p>1.3 Territory of the municipality or municipalities in which infrastructure is planned to be deployed;</p> <p>1.4 The planned construction or installation place;</p> <p>1.5 Planned date to start and finish;</p> <p>1.6 Contact Person;</p>		



**Annex 2: Construction Permit Form for construction of the electronic communications infrastructure**

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Municipality Construction Authority

**Construction permit form for construction of the electronic communications infrastructure**

No. \_\_\_\_\_

1. Building initiator

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*(Natural Person's Name/Surname, Personal Identity Number, place of residence, telephone number, e-mail address,  
or the Legal Entity name (company name), registration number, legal address, telephone number)*

2. Construction Type (mark):

- New Construction
- Installation
- Reconstruction
- Uninstallation

3. The building site \_\_\_\_\_  
*(name)*

4. Address of the site or in the absence of address - location

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5. The unit/Number of land cadaster designated for construction (if applicable)

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6. Cadaster Zone (if applicable)

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7. Owner of the land, or in absence – legal possessor

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*(Natural Person's Name/Surname, Personal Identity Number*

---

*or the Legal Entity name (company name), registration number)*

8. The owner of the structure, or in absence, legal possessor and / or (in the case of rebuilding or uninstallation)

---

*(Natural Person's Name/Surname, Personal Identity Number*

---

*or the Legal Entity name (company name), registration number*

9. The authorized person

---

*(Natural Person's Name/Surname, Personal Identity Number*

---

*or the Legal Entity name (company name), registration number*

10. Design provided date \_\_\_/\_\_\_/\_\_\_

Municipality Responsible official

---

*(Position, name, surname, signature)*

---

(Data)

This construction permits for construction of electronic communications infrastructure, within one month of its entry into force may be contested by the General Administrative Procedure Law in accordance with the procedures specified.

---

(Name of institution, address)

**Annex 3: Hidden Infrastructure (cable and duct) Form for signatures.**

**Form for signatures for hidden electronic communications network cables**

No \_\_\_\_\_

1. Electronic communications construction name and location \_\_\_\_\_  
\_\_\_\_\_

2. Construction work operator \_\_\_\_\_  
*(Natural Person's Name/Surname, Personal Identity Number, telephone number, or/  
the legal entity name, register number)*

3. Commission:

3.1 Constructor Representative \_\_\_\_\_  
*(name, surname, position)*

3.2 Designer \_\_\_\_\_  
*(name, surname, position)*

3.3 Technical supervisor / technical supervisor representative \_\_\_\_\_  
*(name, surname, position)*

4. The Commission carried out an inspection of the covered work (external inspection) before infrastructure was covered and quality inspection and found:

4.1 To be completed by the Constructor representative:

4.1.1 in accordance with the working drawings No. \_\_\_\_\_ through the streets \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.1.2 invested overvoltage protection \_\_\_\_\_ m depth,  
the cable connection \_\_\_\_\_  
to the cable connection \_\_\_\_\_

4.1.3 implemented during the transitional \_\_\_\_\_  
\_\_\_\_\_

---

4.1.4 Cable invested \_\_\_\_\_ m depth according to the project

4.2 To be completed by the designer

Works carried out in accordance with: \_\_\_\_\_  
*(designer name, certificate number, or*

\_\_\_\_\_ No. of construction project: \_\_\_\_\_  
*corporate name, registration number, license number)*

4.3 To be completed by the technical supervisor / technical supervisor representative

the course of work are deviations from the construction plan. Deviations consistent with: \_\_\_\_

\_\_\_\_\_  
*(Responsible institution, drawing number, date)*

there has not been any deviations from the construction plan

5. The Commission's decision

All electronic communications network cable laying and installation is carried out according to the construction plan, building codes and standards, and have been accepted.

Builder / contractor's representative

\_\_\_\_\_  
*(name, surname, signature)*

Designer representative (if the designer is involved in the contract)

\_\_\_\_\_  
*(name, surname, signature)*

Technical supervisor / technical supervisor representative

\_\_\_\_\_  
*(name, surname, signature)*

**Form for signatures for hidden electronic communications network ducts**

No. \_\_\_\_\_

1. Electronic communications construction name and location

\_\_\_\_\_

2. Construction work operator \_\_\_\_\_

*(Natural Person's Name/Surname, Personal Identity Number, telephone number, or /*

*/ the legal entity name, register number)*

3. Commission:

3.1 Constructor Representative \_\_\_\_\_

*(name, surname, position)*

3.2 Designer \_\_\_\_\_

*(name, surname, position)*

3.3 Technical supervisor / technical supervisor representative \_\_\_\_\_

*(name, surname, position)*

4. The Commission carried out an inspection of the covered work (external inspection) before infrastructure was covered and quality inspection and found:

4.1 To be completed by the Constructor representative:

Declare that the construction of the electronic communications network of cable ducts (topping) has been conducted according to drawings No. \_\_\_\_\_ by the following streets: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Between		No. of cable duct	Length (m)	Internal Diameter	Duct Length (m)	Duct type	Tube placing depth*
from (e.g. number of manhole)	to (e.g. number of manhole)						

Note. \* Measured from the upper surface of the tube.

Works made on \_\_\_\_\_ to \_\_\_\_\_  
 (data) (data)

4.2 To be completed by the designer:

Works carried out in accordance with: \_\_\_\_\_  
 (designer name, certificate number or

\_\_\_\_\_ No. of construction project \_\_\_\_\_.  
 Corporate name, registration number, license number)

4.3 To be completed by technical supervisor or technical supervisor representative:

The course of work are deviations from the construction plan. Deviations consistent with: \_\_\_\_\_

\_\_\_\_\_ (Responsible institution, drawing number, corresponding date)

There has not been any deviations from the construction plan

5. Commission Decision

All electronic communications network cable duct laying and installation is carried out according to the construction plan, building codes and standards, and have been accepted.

Builder / contractor's representative

\_\_\_\_\_ (name, surname, signature)

Designer representative (if the designer is involved in the project)

\_\_\_\_\_ (name, surname, signature)

Technical Supervisor / technical supervisor representative

\_\_\_\_\_ (name, surname, signature)

<p><b>Annex 4: Indoor, Outdoor Constructions and Laying</b></p> <p><b>A. INDOOR CONSTRUCTION</b></p>	<p><b>IPKO:</b></p> <p>- The standards are proper, but we have cases as IPKO where a part of the indoor installation is implemented by the owner (builder) and there might be cases when these standards are not complied with.</p>	<p>Title of the Annex 4 has been changed to:</p> <p><i>Indoor, Outdoor Constructions and Installation</i></p> <p><b>IPKO:</b></p>
<p><b>I. MOUNTING OF COMMUNICATIONS CABLES INDOORS</b></p>		
<p>1. Indoors, communications cables may be:</p> <p>1.1. mounted on walls;</p> <p>1.2. laid in the cable ducts installed in walls;</p> <p>1.3. laid in the pipes or trays attached to walls.</p>		
<p>2. In accessible locations, communications cables shall be mounted in a closed manner:</p> <p>2.1. in storage lockers, attics and technical shafts of buildings, cables shall be installed in pipes under the floor or positioned on the holders attached to building constructions;</p> <p>2.2. in staircase premises, corridors and other accessible places of buildings, communications cables shall be mounted in the cable ducts of the trunk and horizontal routes installed in walls and floors during the construction of the building that run to specially prepared distribution points. Cable equipment may, if necessary, be housed in these distribution points.</p>		
<p>3. Communications cables shall be stretched in parallel to the ceiling (the floor) or to the inclination of stairs or in perpendicular to the ceiling (the floor).</p>		

4. In accessible locations, communications cables to be mounted at 2.2 m above the floor level shall be installed in protective pipes or other enclosed constructions.		
5. If communications cables are to be mounted in an open manner in accessible locations, then in horizontal gaps between the walls such cables shall be mounted at not less than 2.2 m above the floor level and not closer than 0.1 m to the ceiling		
6. Communications cables shall be criss-crossed with other cables in perpendicular directions by laying them into additional protective pipes.		
7. Communications cables to be installed in parallel to electric power cables shall be mounted below the electric power cables at a distance of not less than 25 mm.	<p><b>F.Stavileci (Fiberlink)</b>  If it is optical cable, it can be mounted in the vicinity, up to 10 cm</p>	<p><b>F.Stavileci (Fiberlink)</b>  <b>Comment Accepted</b></p> <p>Paragraph 7 is amended as follows:</p> <p><i>Communications cables to be installed in parallel to electric power cables shall be mounted below the electric power cables at a distance of not less than 25 mm. If construction of the cable does not have metallic details, it can be mounted in the vicinity up to 10 cm.</i></p>
8. Communications cables shall be mounted into building cable ducts without damaging other communications cables located in them.		
9. In a distribution point, communications cable distribution equipment shall be mounted to its load-bearing constructions or wall constructions of the building, by preserving the existing, previously mounted communications cables and elements of the building.		
10. Communications cables shall be laid along the straightest distance at 90 degree angles, by maintaining the minimum permissible bend radius		

requirements for the communications cable and by avoiding, as far as practicable, the crossing of electric power, water, gas, heating supply and other engineering systems of the building.		
11. When laying a few communications cables, one route shall be used and it shall be required that these communications cables are pressed against the wall and do not criss-cross with each other.		
12. When mounting communications cables through walls or between floors of a building, this shall be placed into protective pipes. Communications cables may not be bricked in into building constructions.		
13. Indoors, communications cables and cable equipment shall be marked in trunk routes on each floor of the building, in each distribution point, in each room and each outlet so as to allow identification of the owner of the communications cable.		
14. Distribution boxes to be mounted in an open manner in the staircases of a building shall be installed at not less than 2.2 m above the floor level and not closer than 0.1 m to the ceiling.		
15. Distribution cabinets, distribution boxes shall be installed at a distance of not less than 0.1 m from wall corners and door frame edges so as not to impede movement and opening and closing the door. The diameters of distribution boxes to be installed in apartments located in multi-family apartment buildings shall be not less than 200x150x100 mm.	<p><b>F.Stavileci (Fiberlink)</b> It shall not be specified the size of the boxes, since in the optical fibre network these boxes are smaller.</p> <p><b>Elhami(KOSCABLE):</b> rrjetat e brendshme pika 15. Kabinetet shpërndarëse, Diametri i kutive shpërndarëse që duhet instaluar në banesat e objekteve shumëkatëshe nuk mund të jetë më i vogël se</p>	<p><b>F.Stavileci (Fiberlink) Elhami(KOSCABLE):</b> <b>Comment Accepted</b></p> <p>Paragraph 15 is amended as follows:</p> <p><i>Distribution cabinets, distribution boxes shall be installed at a distance of not less than 0.1 m from wall corners and door frame edges so as not to impede movement and opening and closing the door.</i></p>

	200x150x100 mm. ( Ne propozojme qe Kutiat mos te caktohen dimensionet minimale, pasi qe tani ne Modelin Fiber To The Home janë prodhuar kuti shperndase All in One ku dimenzioni mund te jet edhe me i vogel se 200x150x100.	
16. In horizontal sections communications cables shall be attached in at least three points per meter, while in vertical sections – in at least two points per meter.		
17. At the points of the criss-crossing of the pipes of various engineering systems, communications cables shall be placed in the grooves hammered in wall plaster underneath them.		
18. When crossing the wires of a doorbell, security and fire alarm systems that are tightly secured to the wall, communications cables shall be mounted above them.		
19. The places of drilling and grooves in walls and flooring slabs between floors shall be sealed after the mounting of communications cables.		
20. Communications cables may not become entangled around the longitudinal axis.		
21. In the locations of the communications cable inlet, it shall be required to provide a backup communications cable length so as to ensure the possibility to re-mount a joint.		
22. Upon completion of the mounting works, the worksite shall be put in order.		
<b>B. OUTDOOR CONSTRUCTIONS</b>		
<b>I. EARTHMOVING WORKS</b>		
23. The laying of cable ducts and installation of manholes, their repairs or use usually involve the following earthmoving works:		

<p>23.1. dismantlement and restoration of pedestrian sidewalks and roadways;  23.2. excavation of pits and trenches;  23.3. installation of reinforcements for ditches and trenches;  23.4. filling up of pits and trenches with soil backfill;  23.5. compaction of soil;  23.6. loading and removal of superfluous soil;  23.7. levelling off of soil and other landscaping works are performed.</p>		
<p>24. Performance of earthmoving works close to nearby underground and aboveground structures and engineering networks shall be permitted only in the presence of the owners of these structures and engineering networks.</p>	<p><b>IPKO:</b>  Comment:  24. In this item, it would be better to propose a modification: instead of the sentence “shall be permitted only in the presence of the owners” to modify with “only after prior notice of the owners”.</p> <p>Proposal:  24. Performance of earthmoving works close to nearby underground and aboveground structures and engineering networks shall be permitted only after prior notice of the owners of these structures and engineering networks.</p> <p><b>Elhami(KosCable):</b>  rrjtat nentoksore pika 24. Kryerja e punimeve të dheut në afërsi të strukturave nëntokësore dhe sipërfaqësore dhe rrjeteve inxhinierike lejohet vetëm në prani të pronarëve të këtyre strukturave dhe rrjeteve inxhinierike.  (Propozojme që në keto raste mos të obligohen pronarët e rrjetave të janë pran gjatë punimeve, por të njoftohen</p>	<p><b>IPKO: Elhami(KosCable):</b>  <b>Comment partially accepted</b></p> <p>Paragraph 15 is amended as follows:  24. <i>Performance of earthmoving works close to nearby underground and aboveground structures and engineering networks shall be permitted only after prior notice of the owners of these structures and engineering networks or their presence during the construction works.</i></p>

	dhe te largohen me nje distance nga kanali egzitues prej nje distance 0.5 meter	
25. Before starting earthmoving works, the future route location shall be accurately marked according to the project. When marking the route, the following shall be indicated: 25.1. the axial line of the trench; 25.2. underground installations; 25.3. cables and other underground engineering networks crossed by the route.		
26. When digging pits or trenches in residential areas, fences with warning notices shall be installed around the worksite. If works are performed on the road or by the road, it shall be taken care that the worksite is marked with appropriate road signs, fencing and directing devices, and at night or in poor visibility – with signaling lights.		
27. Before starting works, trees and manholes alongside the route shall be protected from being filled up with soil backfill and from vehicles. A road of access to fire protection manholes shall be left for free passage of vehicles.		
28. To ensure pedestrian and vehicle traffic, temporary bridges shall be installed over ditches. Bridges on streets shall be calculated for a weight of not less than 10 tons, while bridges on the roads of entry to yards – for a weight of not less than 7 tons. A bridge shall be as long as it rests on natural soil behind the slope. Ditch slopes beneath transport bridges shall be reinforced with boards and kicks.		

<b>II. TRENCH STRUCTURE AND DEPTH</b>		
29. The trench shall consist of the following parts: 29.1. a levelling layer; 29.2. an initial filling layer; 29.3. a final filling layer.		
30. The levelling layer is a layer made of construction products that is formed either on soil or on the structure selected as a basis and it is the layer on which pipes will be laid. The levelling layer thickness shall be not less than 0.1 m. The maximum particle size of the compounds of sand, gravel or crushed stone used for the levelling layer shall not exceed 10 per cent of the diameter of the pipe; however, it may not exceed 20 mm. If soil meets the requirements set forth in this paragraph, the levelling layer is not required.		
31. The initial filling layer is poured onto the levelling layer around the pipe in order to protect it. The initial filling layer thickness above the pipe shall be not more than 0.3 m and not less than 0.15 m.		
32. In an urbanized area, in accordance with existing conditions, easily compactable construction products shall be used for the final filling layer. The construction products used for the final filling layer shall be subject to the following graininess norms: the layer of a thickness of 1 m (measured from the top of the pipe or communications cable) shall contain no stones or crushed stone chippings of more than 0.3 m in diameter. In a non-urban area, the soil dug out of the trench may be used for the above purpose.		



33. The trench depth is selected according to the planned thickness of the levelling layer, pipe laying depth and their outer diameters and types.		
34. The trench depth in the inlet to manhole is specified as in the table 1 below:		

**Table 1 - Trench depth in the inlet to manhole \***

Place of laying	Depth (m), when the number of ducts in the manhole is					
	1	2	3	4	5	6
Pedestrian sidewalk*	0.82	0.96	1.1	1.24	1.38	1.52
Roadway	0.92	1.06	1.2	1.34	1.48	1.62

Elhami(Koscable)

(Propozojmë që në trotuaret me Kubza të futen tuba për mikrofibra në thellësi jo më shumë se 0.2 m). Kjo do të eliminonte shumë kablllo mbi tokësore).

**Comment accepted**

*\*If the sidewalk is with bricks, the depth of the ducts can be reduced to 0.2 m but the owner of the network has to be sure that the cable will not be damaged if the heavy car will be parked in the pedestrian sidewalk.*

<b>III. LAYING OF CABLE DUCTS PIPES</b>		
35. The type of cable ducts shall be selected by taking into consideration a pipe laying method, purpose, pipe laying location, pipe laying depth, the type of initial filling with soil backfill, initial filling compaction technology, load, soil characteristics in accordance with the table 2 below:		

**Table 2 - Types of cable ducts and the areas of their use**

Duct type	Tightness class	The main areas of use
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110 PVC A	A	<ol style="list-style-type: none"> <li>1. In sand-filled ducts, located in a heavy traffic area.</li> <li>2. In crossings under roads or streets.</li> <li>3. In sand-filled ducts, when a laying depth is more than 1.6 m.</li> <li>4. In crossings, using a perforation method.</li> </ol>
110 PVC B	B	<ol style="list-style-type: none"> <li>1. In concrete-covered ducts.</li> <li>2. In sand-filled ducts, located in a heavy traffic area.</li> <li>3. In crossings under roads or streets, where the traffic of only light vehicles ( 3.5 t) is permitted.</li> <li>4. In crossings, using a perforation method.</li> </ol>
110 HDPE	A	<ol style="list-style-type: none"> <li>1. In sand-filled ducts, located in a heavy traffic area.</li> <li>2. In crossings under roads or streets.</li> <li>3. In crossings in a closed manner (using pushing through or directional drilling methods).</li> </ol> <p><b>Ramadan Plakolli: Kosovo Telecom</b>  We do not have any objection/remarks to add, except the point "LAYING OF CABLE DUCTS PIPES " - pg20 where is shown the table with the types of cable ducts, but are not mentioned at all, pipes which are mostly used in our country, HDPE pipe Ø32mm, Ø50mm and 2xØ50mm</p> <p><b>Comment Accepted</b></p> <p>The Duct type has been changed from <b>110 HDPE</b> to <b>HDPE</b></p>
110 PE	B	<ol style="list-style-type: none"> <li>1. In concrete-covered ducts.</li> <li>2. In sand-filled ducts, located in a heavy traffic area.</li> <li>3. In crossings under roads or streets, where the traffic of only light vehicles is permitted.</li> <li>4. In crossings in a closed manner (using pushing through or directional drilling methods).</li> </ol>
110 PE*	B	<ol style="list-style-type: none"> <li>1. In concrete-covered ducts.</li> <li>2. In sand-filled ducts, located in a heavy traffic area.</li> <li>3. In pipe crossings under roads or streets, where the traffic of only light vehicles is permitted.</li> <li>4. In damp ground.</li> </ol>
Steel	-	<ol style="list-style-type: none"> <li>1. In extremely dangerous areas.</li> </ol>

	2. For protection and reinforcement.
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\* Pipes with a double widening, where a standard ring is used.

36. The minimum cable ducts laying depth (the minimum distance from the ground surface to the upper edge of the upper pipe) is specified in Table 3 below:		
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**Table 3 - Minimum pipe laying depth**

Duct type	Distance to the ground surface (m)	
	Pedestrian sidewalk	Roadway
PVC, PE, HDPE	0.5	0.7
Steel	0.4	0.6

37. Distances between the pipes laid on a horizontal and vertical plane shall not exceed 0.05 m. The distance from the side edge of the pipe to the side edges of the trench shall not exceed 0.1 m.		
38. When pipes pass through concrete structures (manhole walls, building foundations, etc.), the joints intended for that specific purpose shall be used. Inside of a joint, there must be a rubber liner and the outer part of the joint must be concreted over. A short pipe of a larger diameter may be used instead of a joint, and cavities may be filled with polyurethane foam instead of using the rubber liner.		
39. Where watertight integrity is not required, the pipe shall be concreted over in a wall, without a joint.		
40. The pipe direction shall be changed so as to minimize the friction of a cable being pulled		

<p>through the pipe against the walls of the pipe. The minimum permissible bend radius of PVC pipes shall be <math>300 \times d</math>, where <math>d</math> is the outer diameter of the pipe. The ends of the pipe being bent shall be supported so as to avoid bending at pipe connection points. The maximum permissible connection angle deviation shall be 2 degrees.</p>		
<p>41. Angular pipes having a bending angle of no more than 45 degrees may be used for connecting pipes. Angular pipes having a bigger bending angle shall be used only in places where pipes are inserted into buildings or facilities; however, their bending angle shall not exceed 90 degrees.</p>		
<p>42. All the works related to the installation of cable ducts— cutting pipes, connecting them, cutting through concrete structures (manhole walls, building foundations, etc.) – shall be carried out in accordance with the requirements of manufacturers of such pipes.</p>		
<p><b>IV. INSTALLATION OF MANHOLES</b></p>		
<p>43. The type of a manhole shall be selected by taking into consideration the number of incoming ducts and vertical load.</p>		
<p>44. The cable ducts route and its individual sections shall be as straight as possible. The distance between manholes on straight sections of the cable ducts route shall not exceed 150 m.</p>	<p><b>IPKO:</b> Comment: 44. The proposed distance of 150 m between manholes is too short for straight sections of the duct route. In rural areas, or in connections between cities, it is not necessary to have such restrictions because today the technology enables to perform cabling even in distances up to 3000 meters between manholes. It would be good to have no restrictions regarding the distance and the manholes to be set as needed.</p> <p>Elhami(Koscable)</p>	<p><b>IPKO</b> Elhami(Koscable) <b>Comment Accepted</b></p> <p>Paragraph 44 is amended as follows:  <i>44. The cable ducts route and its individual sections shall be as straight as possible</i></p>

	(Propozojme qe Pusetat te jane ne distance varesish nga teknika e punimit te projektit, pasi qe ne projektet Mikrofiber Kompresoret fibrin e dergojne deri ne 2km pa patur nevoje te vendoset puset cdo 150 m).	
45. Angular pipes may be used on the cable ducts sections between manholes only in the absence of a reasonable possibility to install a straight section between manholes.	45. Also in this item, it would be good to have no restriction	<b>IPKO</b> <b>Comment Accepted</b> Paragraph is removed.
46. If an angular pipe is used on a section between two manholes, the length of the route between manholes shall not exceed 90 m.	Elhami(Koscable) ( edhe kjo nderlidhet me Piken paraprake – pika 44)	Elhami(Koscable) <b>Comment Accepted</b> Paragraph is removed.
47. Inlet manholes shall be installed near telephone stations, multi-family apartment buildings or other structures and facilities and shall be intended for installation of communications cables into the above-mentioned buildings or facilities.		
48. Inlet manholes shall on the outside be covered with waterproof material. The inlet cable duct shall be inclined towards the side of the inlet manhole. In the event of likelihood that water may enter the inlet manhole, the inlet manhole shall be equipped with drainage.		
<b>V. LAYING OF CABLE DUCTS OVER BRIDGES</b>		
49. Cable ducts pipes may be laid over bridges going over water bodies, railways and roads (streets) as well as viaducts and elevated highways (hereinafter collectively referred to as bridges) in the inner structures of bridges at designated places.		
50. Cable ducts may be laid in bridge sidewalks. In the absence of the possibility to lay them in bridge sidewalks, cable ducts pipes shall be installed in special metal constructions, suspended or mounted to or under the bridge. In this case, steel mounting		

flanges shall, according to the dimensions of beams, be installed in typical constructions.		
51. Cable ducts may be suspended under a bridge by using pipe holders. A stationary holder shall be mounted to a widening of the cable ducts and shall firmly embrace the pipe; while in a moveable holder, the cable duct can move freely according to temperature changes. The distance between the holders shall not exceed 10 x d, where d is the outer diameter of the cable ducts.		
52. Manhole shall be installed at bridge supports and temperature-sensitive weld seams.	<p><b>IPKO:</b> Comment: 52. We need an additional explanation on this item.</p> <p>Proposal:</p>	<p><b>IPKO</b> <b>Comment Accepted</b> Paragraph is removed</p>
53. The distance between manholes on the bridge shall not exceed 100 m.	<p><b>IPKO:</b> Comment: 53. On a bridge, in principle, it is better to have less manholes, also because of very difficult conditions of work on bridges. Item 53 is only increasing the number of manholes on bridges. For this item, our proposal is as follows: "the distance between manholes to be set based on the conditions and technical requirements for laying of communications cable"</p> <p>Proposal: 53. Distanca ndërmjet pusetave të përcaktohet nga kushtet dhe nevojat teknike për shtrirje të kabllit të komunikimit.</p>	<p><b>IPKO:</b> <b>Comment Accepted</b></p> <p>Paragraph 53 is amended as follows:  <i>53. Distance between manholes to be specified based on conditions and technical needs for laying a cable.</i></p>
54. At bridge approaches, manholes shall be installed as close as possible to the outer support of the bridge		
55. The structural expression of cable ducts and manholes shall be selected according to the dimensions and structure of the bridge; however, in each case the structural expression shall be		

presented separately in the bridge construction project.		
<b>VI. LAYING OF CABLE DUCTS OVER ROADS AND STREETS</b>		
56. When cable duct passes through roads and streets, the type of a cable ducts shall be selected by taking into consideration the traffic load on a road and (or) street in accordance with Table 2 of this Annex. The method of passage (digging of a trench, perforation, directional drilling) shall be selected according to the type of road and (or) street cover, soil, landscape and other factors.		
57. In passages over streets, the upper edge of the upper cable duct shall be located at a depth of no less than 0.7 m below the street surface, over roads – at a depth of no less than 1.2 m below the road surface.	Elhami(Koscable) (propozojme qe thellesia te jete minimale 0.6m pasi qe gropimet me teknikat e reja te me gjeresi 0.10m keto teknologji nuk gropojne me shum se 0.6m).	Elhami(Koscable) <b>Comment partially accepted</b>  Paragraph 57 is amended as follows:  <i>57. In passages over streets, the upper edge of the upper cable duct shall be located at a depth of no less than 0.6 m below the street surface, over roads – at a depth of no less than 1.2 m below the road surface.</i>
<b>VII. LAYING OF CABLE DUCTS OVER</b>		
58. When a cable duct passes through a railway, PVC, HDPE or steel cable ducts and the laying thereof under the railway shall be carried out in a closed manner (pushing through, operated directional drilling), depending on soil and landscape.		
59. When laying a cable duct over a railway, ground-digging works shall be carried out at a distance of no less than 3 m from the edge of the base of the railway earth embankment.		
60. When a cable duct crosses a railway, the angle of crossing shall be maintained as steep as		

possible; however, this angle shall be not less than 45 degrees.		
61. When a cable duct passes through a railway, the vertical distance from the railway surface to the cable duct shall be no be less than 1.2 m and no less than 0.6 m from the base of the railway earth embankment		
<b>VIII. CABLE DUCTS DISTANCES TO OTHER OBJECTS</b>	<b>B.Krasniqi:</b> Propose to be included in the document. 2. Point VIII to be added with regards to laying cable ducts in tunnels even though in Kosovo we do not have many tunnels, however it is probably better to include also this part.	<b>B.Krasniqi:</b> The proposal has been reviewed and discusses also with operator and it is seen as not necessary. Furthermore, with the operator proposal, it has been removed completely Chapter IX Requirements for the construction of collectors of section B and part III - III. Laying of Communications Cables in collectors of the section C Laying of Cables, since it deals with cases not relevant to Kosovo.
62. When laying a cable duct in parallel with other engineering networks, traffic routes, buildings and other objects or when crossing them, the minimum distances shall be maintained not lower than those specified in Table 4 below:		

**Table 4 - Minimum distances from underground communications cables or cable ducts to other objects**

<b>1.</b>	<b>The distance in the vertical direction, when crossing other underground engineering networks</b>	<b>Minimum distance (m)</b>
1.1.	The distance between water supply, household and fecal sewage pipes, drainage and rainwater sewage systems and:  a) a communications cable	0.25



	b) a cable duct	0.15
1.2.	The distance between an electric power cable (including an electric power transmission and lighting network cable), and: a) a protected communications cable b) an unprotected communications cable c) a cable duct	0.25 0.5 0.15
1.3.	The distance between heating supply systems and: a) a communications cable b) a cable duct	0.25 0.15
1.4.	The distance between a low, medium, high pressure (up to 6 kg/cm <sup>2</sup> ) gas supply pipeline and: a) a communications cable b) a cable duct	0.5 0.15
1.5.	The distance between a high pressure (from 6 kg/cm <sup>2</sup> to 12 kg/cm <sup>2</sup> ) gas supply pipeline and: a) a communications cable (protected or unprotected) b) a cable duct	0.5 0.25
1.6.	The distance between a high pressure (up to 55 kg/cm <sup>2</sup> ) gas or oil supply pipeline and: a) a protected communications cable b) an unprotected communications cable c) a cable duct	0.25 0.5 0.25

1.7.	The distance to an underground communications cable or a cable duct	0.1
<b>2.</b>	<b>The distance in the horizontal direction to other objects</b>	
2.1.	To the edge of the base of a road earth embankment	5
2.2.	To the edge of the base of a railway earth embankment	5
2.3.	The distance to railway engineering structures (bridges, switches, contact network supports)	10
2.4.	The distance to railway traffic-lights, their supports, external lighting supports	5
2.5.	The distance to < 1 kV electric power lines, lighting network, trolleybus contact network and overhead communications line supports	2
2.6.	The distance to > 1 kV electric power line supports	
	a) to a grounded support	25
	b) to an ungrounded support	10
	<b>IPKO COMMENT: 2.6 Definition of this item is not clear.</b>	
	<b>Comment accepted:</b>	
	Paragraph 2.6 is amended as follows:	
	The distance to > 1 kV electric power line supports	
	a) to a grounded support ( <b>metallic</b> )	
	b) to an ungrounded support ( <b>wooden or concrete</b> )	
2.7.	The distance to an underground < 1 kV electric power cable (including an electric power transmission and lighting network cable)	0.5
2.8.	The distance to collectors	1
2.9.	The distance to heating supply systems	1

2.10.	The distance from a communications cable to a low, medium, high pressure (up to 12 kg/cm <sup>2</sup> ) gas and oil supply pipeline	1
2.11.	The distance from a communications cable to a high pressure (up to 55 kg/cm <sup>2</sup> ) gas and oil supply pipeline	10
2.12.	The distance from a cable duct to: a) a low pressure (up to 0.05 kg/cm <sup>2</sup> ) gas supply pipeline; b) a medium pressure (from 0.05 to 3 kg/cm <sup>2</sup> ) gas supply pipeline; c) a high pressure (from 3 to 6 kg/cm <sup>2</sup> ) gas supply pipeline; d) a high pressure (from 6 to 12 kg/cm <sup>2</sup> ) gas supply pipeline; e) a high pressure (up to 55 kg/cm <sup>2</sup> ) gas and oil supply pipeline	1 1.5 2 3 10
2.13.	The distance to underground communications cables or a cable duct <b>IPKO COMMENT: 2.13 In urban parts, in many cases, the existing infrastructure would make the application of this criteria impossible. Our proposal is that based on the existing infrastructure and in coordination with the owners of this infrastructure, to make the technical solution for such cases</b>  <b>Comment accepted</b>  In the table a * has been added as follows:  <i>If the existing infrastructure does not allow 0.5 m minimum distance, the distance may be reduced in coordination with the owners of this infrastructure to make the technical solution for such cases.</i>	0.5
2.14.	The distance to building foundations	0.6
2.15.	The distance to bushes	0.7
2.16.	The distance to tree trunks: a) where a foliage diameter is not more than 5 m; b) where a foliage diameter is more than 5 m.	2.0 2+0.5 m for each additional meter

		of a foliage diameter
2.17.	The distance to underground communications cables or a cable duct	0.5

<b>IX. REQUIREMENTS FOR THE CONSTRUCTION OF COLLECTORS</b>		Operator proposal, it has been removed completely Chapter IX Requirements for the construction of collectors of section B and part III - III. Laying of Communications Cables in collectors of the section C Laying of Cables, since it deals with cases not relevant to Kosovo.
63. Collectors may be used for laying cables and pipelines of different purposes: electricity cables, communications cables, gas pipelines, heating network pipes, water drainage and so on.		
64. The upper part of a collector being constructed under the roadway of a street (road) shall be located at a depth of no less than 1.2 m below the roadway surface.		
65. Collectors shall have openings for lowering equipment into them, if it is not possible to do that through conventional access points.		
66. For lowering equipment into collectors and for carrying out installation works, there shall be provided openings above the service entry. During construction period, there may be made extra openings, which then have to be sealed up. The distance between two entry openings shall not exceed 500 m. Doors shall be fitted in such a way that they cannot be blocked and that they are hermetic.		
67. Partitions, intended to prevent the spread of fire and flooding, shall be installed in such a way		

that there is at least one entry opening between them.		
68. Collectors shall have natural or mechanical ventilation. Mechanical ventilation shall be installed in collectors, where there is a high risk of harmful substances entering them. In all other cases, natural ventilation shall be sufficient.		
69. The collector shall be equipped with a drainage system which, taking into account the amount of water that potentially may enter into the collector, must be sufficient to remove water from the collector.		
<b>C. LAYING OF CABLES</b> <b>I. GENERAL REQUIREMENTS</b>		
70. The main components of cables are communications cables and cable equipment: distribution frames, distribution cabinets, distribution boxes, poles, joints, etc.		
71. Cables may be laid in cable ducts, either directly in the ground or in protective pipes, collectors, and (or) basements, as well as supports (overhead lines), inserted into buildings or facilities and laid within a building.		
72. The cable route between cable equipment and diverging routes shall be laid in such a way that there are as little as possible linear connections.		
73. Cables shall be protected with safeguards against atmospheric electrical discharges, if cables are located in the vicinity of electric power transmission lines, electrified railway lines and other electricity transmission facilities – with special electrical safety measures.		
74. When laying a fiber-optic cable, special fiber-optic cable laying methods shall be used to ensure		

that the fiber-optic cable is not exposed to excessive mechanical tension, bending and compression force. The bend radius values of the fiber-optic cable during laying and installation are specified in its technical specifications.		
75. The elongation of a fiber of the fiber-optic cable shall not exceed 0.2 per cent. It shall be prohibited to exceed the maximum tension forces established for each fiber-optic cable. Fiber-optic cables, used in construction, shall comply with the requirements set out in their technical specifications.		
<b>II. LAYING OF COMMUNICATIONS CABLES IN CABLE DUCTS</b>		
76. A cable duct communications cable shall be blown into a protective pipe or thread directly into a cable duct without any protective tube. If the application of this method is not possible, the methods of mechanical pulling of the communications cable into the cable duct shall be used.		
77. When laying a communications cable through several points of the cable duct, the communications cable's protection against mechanical damage shall be provided at the inlet and outlet of the duct in each manhole.		
78. When laying a communications cable into the cable duct, it shall be required to control the tension force so that it does not exceed the force specified in the communications cable manufacturer's technical specifications. The length of the communications cable pulled into the cable duct pipe shall be selected by taking into consideration the maximum permissible tension		

force for a specific communications cable construction, friction in the pipe, and the weight of the communications cable.		
79. Communications cables may not be interlaced or intertwined with one another in a manhole.	Elhami(Koscable)  (ne rastet kur me nje gyp ka disa kablllo ateher eshte e pamundur te futet nje kabell dhe te garantohet qe mos te perdredhet pergjate rruges)	Elhami(Koscable)  Comment not accepted  This is the case of communications cables in a manhole, thus they shall not be interlaced or intertwined.
80. Communications cables in a manhole shall be marked, laid onto cantilevers and tied to them. Joints shall be laid between cantilevers.		
81. The distance from the communications cable to the manhole cover and bottom shall be no less than 0.3 m.		
82. After completing the communications cable laying works, the openings of pipe entry into buildings shall be sealed tightly (e.g. with foam).	(me Shkume te hiqet)	Elhami(Koscable)  Comment not accepted  With foam is just an example.
<b>III. LAYING OF COMMUNICATIONS CABLES IN COLLECTORS</b>		Operator proposal, it has been removed completely Chapter IX Requirements for the construction of collectors of section B and part III - III. Laying of Communications Cables in collectors of the section C Laying of Cables, since it deals with cases not relevant to Kosovo.
83. When laying copper communications cables in a collector in parallel to electric power cables, the distance between them shall be no less than 0.3 m.	<u>F.Stavileci (Fiberlink)</u> Unless the communications cable is optical fibre  Elhami(Koscable) (ne propozojme qe kablli te ket izolim te standardizuar ne menyre qe mos ti pengoj njera tjetres, pasi qe nese jan gypat egzistues dhe kablli i energjis elektrike eshte aty dhe ka hapësir ateher eshte e pamundeer qe te sigurohet distanca 0.3m)	

84. At the intersection of copper communications cables with electric power cables, the distance between them shall be no less than 0.3 m. At intersections where this distance cannot be maintained, a copper communications cable shall be pulled into a protective dielectric pipe.		
85. Fiber-optic cables may be laid next to electric power cables.		
86. The distance between communications cables and engineering networks other than electric power cables shall be no less than 0.1 m.	Elhami(Koscable) (edhe ne kete rast propozojme qe kablllohet mos te limitohen me distance, pasi qe ne gypat egzistues te KEDS ne operetarohet vetem se i kan kabllblot ne te njejtin gyp dhe aty kabllot jo qe kan distance 0.1m por jan te bashkuar ,por kan izolimin e tyre dhe nuk i pengojne njera tjetres).	
87. Communications cables may not be intertwined or interlaced with one another.		
88. All the cables laid in collectors shall be marked, laid onto cantilevers and tied to them.		
89. Communications cables laid in collectors shall be protected from rodents, vibration, shock and other irregularities. If communications cables can be damaged by rodents, then such cables shall have reinforced, armored or rodent-proof sheathings or rodent-proof chemically treated coatings.		
<b>IV. LAYING OF COMMUNICATIONS CABLES OVER BRIDGES</b>		
90. Communications cables to be laid over bridges shall be laid through the channels provided in bridge structures (pipes or gutters), and in their absence – protective pipes; however, account shall be taken of the movement of bridge structures in the places of temperature-sensitive weld seams,		



vibration due to traffic, and the technical conditions of persons using (operating) bridges.		
91. In places where there is a possibility of high vibration (e.g., in the places of bridge support connection expansions) or where there is a risk of excessive bends (e.g., cable sections between bridges and steep slopes), communications cables shall be laid in protective pipes).		
<b>V. LAYING OF COMMUNICATIONS CABLES DIRECTLY IN THE GROUND</b>		
92. All earthmoving works when laying communications cables shall be carried out in accordance with the requirements under Chapter I of the section B of this annex.		
93. When laying communications cables directly in the ground, they shall be laid at a depth of no less than 0.75 m below the ground surface.		
94. Methods of laying communications cables directly in the ground shall be selected by taking into consideration the territorial location of the ground and other engineering networks, traffic routes, buildings and other objects. To lay communications cables directly in the ground, the following methods may be used: 94.1. laying in trenches; 94.2. laying with a cable layer; 94.3. laying through obstacles by using a perforation or directional drilling method.		
95. Only particular communications cables of increased mechanical resistance or protected with a protective pipe may be laid directly in the ground.		
96. When laying communications cables, it shall be ensured that the mechanical load, caused by the		

application of one of the laying methods listed in paragraph 94 of the Rules to communications cables, is not exceeded, i.e. the communications cable's maximum permissible tension force, bend radius and crushing force specified in communications cable manufacturers' technical specifications shall not be exceeded.		
97. In order to avoid possible damage to already laid communications cables during excavation works, communications cables laid directly in the ground shall be protected by laying a warning tape at 0.3 m above them.		
<b>VI. LAYING OF COMMUNICATIONS CABLES IN TRENCHES</b>		
98. A communications cable, laid in a trench, may not be tensed and shall be flat against the bottom of a trench.		
99. In soft ground, communications cables may be laid directly into the bottom of an open trench and covered with dug out, sifted soil. In hard ground, communications cables shall be laid on an at least 0.1 m thick layer of sand or sifted soil, evenly spread on the bottom of the trench, and an at least 0.1 m thick layer of sifted soil backfill shall be filled above communications cables.		
100. When laying a few communications cables in a trench, they shall be laid in parallel, without intertwining them.		
101. Before filling the trench with soil backfill, all underground communications cables and other equipment shall be marked in working drawings by indicating their distances to adjacent buildings.		

<b>VII. CROSSING ROADS (STREETS) AND EARTH EMBANKMENTS WHEN LAYING OF COMMUNICATIONS CABLES</b>		
<p>102. At crossings over roads (streets) and earth banks, a cable may be laid using the following methods:</p> <p>102.1. with a cable layer; 102.2. by digging a trench; 102.3. in a closed manner (by using a perforation or directional drilling method); 102.4. by an overhead line.</p>		
<p>103. The method of laying cables with a cable layer may be used only when crossing roads, bike paths and other places with gravel pavement cover. Where there is not much traffic, the cable may be laid with a cable layer directly into the ground. In other cases, cables shall be laid in protective pipes. Before laying cables or protective pipes with a cable layer, the points of crossing underground engineering networks shall be excavated or underground passageways shall be installed.</p>		
<p>104. When the trench digging method is used, a protective pipe shall be laid in a trench, then the trench shall be filled with soil backfill and the soil in that place shall be compacted. After pulling a protective tube or a communications cable into this pipe, the pipe ends shall be sealed.</p>		
<p>105. A cable under roads (streets), earth embankments in a closed manner shall be laid in protective pipes. Protective pipes shall be installed by using a directional drilling or perforation method. A communications cable or a protective</p>		

pipe shall be pulled into the pipes installed by using a perforation or directional drilling method.		
106. In passages over streets, the upper edge of the upper protective pipe shall be located at a depth of no less than 0.7 m below the street surface, over roads – at a depth of no less than 1.2 m below the road surface. If it is not possible to meet this requirement, pipes shall be laid into a protective hood or shall be concreted in the ground.		
107. Upon laying the protective tube and pulling the communications cable through it, the pipe openings shall be sealed.		
108. Roads (streets), earth embankments shall be crossed by an overhead line in accordance with the requirements of Chapter XII of this section.		
<b>VIII. INTERSECTIONS WITH RAILWAYS</b>		
109. At cable intersections with railways, PVC, PE or steel pipes shall be used and the laying thereof under the railway shall be carried out in a closed manner (pushing through, operated directional drilling), depending on soil and landscape.		
110. When a cable crosses a railway, the angle of crossing shall be maintained as steep as possible; however, this angle shall be not less than 45 degrees.		
111. Ground-digging works shall be carried out at a distance of no less than 3 m from the edge of the base of the railway earth embankment.		
112. The distance from the railway surface to the protective pipe shall be no be less than 1.2 m and no less than 0.6 m from the base of the railway earth embankment.		

113. The protective pipe shall extend to both sides for at least:  113.1. 2 m from the outer edge of the base of a gully; 113.2. 3 m from the edge of the base of a railway earth embankment; 113.3. 5 m from the outside rails of a railway.		
114. Fiber-optic cables to be laid along railway track rails shall be dielectric.		
<b>IX. INTERSECTIONS WITH WATER BODIES</b>		
115. When crossing water bodies, communications cables may be laid: 116.1. under water; 116.2. over bridges; 116.3. by an overhead line.		
116. Communications cables laid under water shall be armored.		
117. A cable route over navigable water bodies from road and railway bridges shall be laid below these bridges in a water body flow direction. The distance of the cable route from the road and railway bridge shall be no less than 200 m.		
118. If there is a bridge in a communications cable route running over navigable water bodies, one cable shall be laid over the bridge, while a reserve underwater communications cable is recommended to be laid at such distance from the bridge, as specified in paragraph 119 of the Rules.		
119. When the cable route crosses non-navigable water bodies, the distance between underwater communications cables and the road and Railway Bridge shall be no less than 50 m.		

120. Underwater and underground communications cables shall be connected not closer than 30 m from the shore of a water body.		
121. If the embankment of a water body is made of granite, stone, concrete or wood, then in the places of connection of an underwater communications cable with an underground one, pipes of increased resistance shall be used. If necessary, manholes shall be installed on shores. Pipes shall be lead from manholes to the underwater part of the route.		
122. An underwater communications cable shall be attached to the bottom of a water body.		
123. Communications cables over water bodies may be laid through underground protective pipes, which shall be laid by using a directional drilling method.		
<b>X. UNDERGROUND CABLE DISTANCES TO OTHER OBJECTS</b>		
124. When laying a cable underground in parallel with other engineering networks, traffic routes, buildings and other objects or when crossing them, the minimum distances shall be maintained not lower than those specified in Table 4 of this Annex.		
125. At cable intersections with other engineering networks, excavation works shall be carried out manually. If there is an underground object of an engineering network located at a depth less than 1.2 m, a communications cable or a protective pipe shall be laid under the existing object of the engineering network. If an underground object of an engineering network is located at a depth of 1.2 m or more, a communications cable or a protective pipe shall be laid over this object of the		

engineering network at a depth of no less than 0.75 m.		
<b>XI. LAYING OF AN OVERHEAD COMMUNICATIONS LINE</b>		
126. Communications Cables to be used on overhead lines shall be only those intended for this purpose without breaching the requirements set out in the communications cable manufacturer's technical specifications.		
127. Communications cables shall be suspended on a support in such a manner that the load on the support is equally distributed (two communications cables shall be suspended on opposite sides of the support). To mount them, communications cable mounting elements specified by manufacturers shall be used.		
128. The maximum permissible length of communications cable lines between supports shall be determined according to the mechanical parameters of the communications cable, rope and supports set by the manufacturer.		
129. Using the appropriate mounting tools and the communications cable tensioning method, it shall be required to ensure that the maximum permissible values for the communications cable resistance to tensioning, spaces between supports, wind load, specified in the communications cable technical specifications are not exceeded.		
130. On overhead communications lines, a junction of communications cables shall be made on a support at a height of at least 3 m.		
131. When laying an overhead communications line parallel to an existing overhead line, a safe		

distance shall be maintained between these overhead lines.		
132. When crossing electric power lines, the angle of crossing shall be maintained as steep as possible; however, this angle shall be not less than 45 degrees.		
133. When crossing electric power lines, overhead communications lines shall be positioned under electric power lines. Except for the electric transmission lines. If due to objective reasons it is not possible to meet this requirement, overhead communications lines may be positioned above 400/220 V electric power lines at a distance which shall be no less than 1.25 m. A communications cable to be laid on the overhead communications line, positioned over a contact network of electric power transmission or over a 400/220 V electric power line, shall have double mounting. At intersections, the wires of overhead communications lines shall have the insulation resistant to atmospheric effects, the test voltage of which shall be no less than 2 kV.	<p>Elhami(Koscable)</p> <p>(Distanca prej 1.25m duhet te perjashtohet per kabllot optike te cilat jane te tipit ADSS pershkak se keto kallbo nuk kan sajlle dhe nuk kan metal keshtu qe nuk i pengon fare kablllove te energjis elektrike)</p>	<p>Elhami(Koscable)</p> <p>Comment Accepted</p> <p>Paragraph 133 is amended as follows:</p> <p><i>133. When crossing electric power lines, overhead communications lines shall be positioned under electric power lines. Except for the electric transmission lines. If due to objective reasons it is not possible to meet this requirement, overhead communications lines may be positioned above 400/220 V electric power lines at a distance which shall be no less than 1.25 m. A communications cable to be laid on the overhead communications line, positioned over a contact network of electric power transmission or over a 400/220 V electric power line, shall have double mounting. At intersections, the wires of overhead communications lines shall have the insulation resistant to atmospheric effects, the test voltage of which shall be no less than 2 kV. <b>If cables do not have metallic details, it is not necessary to keep a distance of 1.25 m</b></i></p>
134. An overhead communications line may cross an up to 1 kV electric power line in the location of a split and support; however, overhead communications lines with uninsulated wires or communications cables with uninsulated ropes or wires shall not be mounted on electric power line supports.		



<p>135. The overhead communications line may cross an electric power line with the voltage of more than 1 kV only in the location of its split. The distance horizontally from the overhead communications line support to the nearest electric power line wire shall be at least 15 m. When crossing an electric power line with the voltage of 400 kV, the distance between the top of the overhead communications line support to the nearest electric power line wire shall be at least 20 m.</p>		
<p>136. Insulated cables of the overhead communications line may be laid on common supports of 400/220 V electric power lines. Communications cables shall be mounted on electric power line supports below the wires or cables of electric power lines. The distance between communications cables and the wires or cables of electric power lines on supports shall be no less than 1.5 m.</p>		
<p>137. The minimum distances between overhead communications lines and other engineering networks, buildings and other objects are set forth in Table 5 below:</p>		

**Table 5 - Minimum distances from communications overhead line wires or cables to other objects**

No.	Conditions	Minimum distance (m)
<b>1.</b>	<b>The distance in the vertical direction</b>	
1.1.	To the ground surface	4.5
1.2.	To the ground surface, when crossing roads and streets	6.0

1.3.	To the railway, when crossing railways	7.5
1.4.	The distance from an overhead communications line inlet to a road	4.5
1.5.	The distance from an overhead communications line inlet to a pedestrian sidewalk in a planted land area	3.0
1.6.	The distance to the water surface, when crossing non-navigable water bodies, channels, etc.	2.5
1.7.	<p>The distance from the uppermost wire of an overhead communications line or a suspended cable to the lowermost wire of an electric power line or the maximum hanging level of a suspended cable, when crossing electric power lines:</p> <p>a) up to 1 kV – <b>IPKO COMMENT: 1.7 a) Does this criteria apply even in cases when the energy cable is a self-supporting X00/0 (twist cable) type. In such cases, technically this distance could be even shorter.</b></p> <p><b>MED response:</b> <b>We need a consultation with energy companies on this. Discuss with operators.</b></p> <p>b) 6–10 kV</p> <p>c) 35 kV, 110 kV</p> <p>d) 330 kV</p>	<p>1.25</p> <p>2</p> <p>3</p> <p>5</p>
1.8.	The distance between overhead communications lines	0.5
1.9.	The distance to the ridge of a roof or construction elements above the roof (except for hardly accessible places)	0.8
1.10.	The distance between overhead communications line inlets and electric power line (400/230 V) inlets in buildings	0.5
1.11.	The distance to tree branches	1.0
<b>2.</b>	<b>The distance in the horizontal direction</b>	

2.1.	The distance between the nearest outer wire of an overhead communications line or a suspended cable and an electric power line support, when overhead lines cross each other at a split:  a) up to 1 kV electric power lines  b) above 1 kV electric power lines	2.0  7.0
2.2.	The distance from the nearest outer wire of an overhead communications line or a suspended cable to a building constructions, the ridge of a roof, balconies	1.5
2.3.	The distance between the nearest outer wire of an overhead communications line or a suspended cable and masts.	Height of a mast
2.4.	The distance between the nearest outer wire of an overhead communications line or a suspended cable and bush or tree foliage	1.5

<b>XII. REQUIREMENTS FOR THE CONNECTION OF COMMUNICATIONS CABLES</b>		
138. Communications cables shall be connected using the joints intended for this purpose.		
139. When laying communications cables in a cable ducts, in the ground and on overhead communications lines, heat-shrinkable joints or cold-applied joints shall be used. Heat-shrinkable joints or cold-applied joints shall be made of materials that do not change their properties for at least 30 years.		
140. When laying communications cables directly in the ground, a reserve communications cable length shall be left for connecting communications cables.		

141. In buildings and shafts, heat-shrinkable or mechanically closable joints shall be used.		
142. Mechanically closable joints, used to connect communications cables inside of buildings, shall be made of PE, other plastic or steel and shall not change their properties for at least 30 years.		
143. All types of joints shall be mounted in accordance with the joint manufacturer's instructions.		
144. Mounting of joints for fiber-optic cables shall be carried out in compliance with safety requirements only in designated premises protected from atmospheric effects. Mounting of joints for fiber-optic cables shall be carried out only with specially designed equipment and tools.		
<b>XIV. MARKING OF COMMUNICATIONS CABLES</b>		
145. Communications cables in manholes, collectors and shafts shall be marked with a lead or a plastic marking card attached to the communications cable. The marking card shall be at least 40 mm wide and 20 mm high. The plastic marking card shall be white or yellow. Inscriptions on lead cards shall be hammered with special hammers, while on plastic cards inscriptions shall be written with a black pen, the marks of which are resistant to potential environmental impacts.		
146. The marking card shall contain the information that allows the identification of: 146.1. the electronic communications line owner (entity name, code, conventional number); 146.2. the communications cable type;		

146.3. the start and end of the electronic communications line (starting and ending addresses).		
147. Remote power supply cables in manholes, collectors, shafts and basements shall be colored with red stripes (two 0.2 m wide red stripes with a 0.1 m gap between them) for each duct and from each side of a joint at a distance of 0.1 m from it.		