

**Agenda of 565th MHRC Meeting**  
**MINISTRY OF INFORMATION AND COMMUNICATIONS**

**Venue: Mini Conference**

**Date: 5<sup>th</sup> September, 2022 (Monday)**

**Time: 2:15 PM**

**Agenda 3: Action Taken Report of 564th MHRC**

Sl. No.	Agenda	Action taken report of 564th MHRC	565th MHRC directives
3.3	<p><b>Purpose:</b> Breathing Apparatus Course</p> <p><b>Mode:</b> Face-face</p> <p><b>Country/Institute:</b> Civil Aviation Academy, Nepal.</p> <p><b>Source of Funding:</b> ADB TA funds of DoAT.</p> <p><b>Start and End Date:</b> September 26-30 for the first batch and Nov 7-11, 2022 for the second batch.</p> <p><b>Nominations:</b> DoAT to nominate relevant officials.</p>	<p>DoAT for nomination and HRD for follow up.</p> <p><i>HRD received the nomination from DoAT. Attached in separate sheet</i></p>	<p><i>DG justified that proposed training is specialized programme certified by the ICAO.</i></p> <p><i>The MHRC chair mentioned why HRD is not vetting the nominations. Who is responsible and accountable to the vet nominations submitted by the Departments? HRD should fix accountability.</i></p> <p><i>MHRC members observed the course is not relevant to the Department Finance Officer Yogesh Sanyasi. In addition, MHRC members pointed out why Finance Officer Yohgesh Sanyasi's nomination is not taken out.</i></p> <p><i>The MHRC directed DOAT and HRD to vet the list and resubmit in the next MHRC. DoAT DG was also directed to exercise due diligence to find out who has submitted the list of nominations to MHRC.</i></p>

<p><b>3.4</b></p>	<p><b>Purpose:</b> Global Digital Regulation online training course</p> <p><b>Institute/Country:</b> ITU-Telecommunication Development Bureau (BDT), Geneva</p> <p><b>Funding:</b> NA as it is virtual</p> <p><b>Start /End Date:</b> 29 August to 23 September 2022</p> <p><b>Deadline for registration:</b> 25th August 2022</p> <p><u><a href="#">Invitation</a></u></p> <p>Please note that participation in this training is limited to two seats per country. hrHR</p>	<p>MHRC approved nomination of Mr. Sonam Penjor, Chief ICTO, AMD, DITT submitted by the DITT and directed HRD to immediately share with BICMA for one nomination.</p> <p><i>HRD received the following nomination from BICMA:</i></p> <ol style="list-style-type: none"> <li>1. <i>Mrs. Singye Choden, BICMA</i></li> </ol>	<p><i>Noted and endorsed</i></p>
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<p><b>3.5</b></p>	<p><b>Purpose:</b> Fourth Meeting of the BIMSTEC Transport Connectivity Working Group (BTCWG)</p> <p><b>Mode:</b> Virtual</p> <p><b>Country/Institute:</b> BIMSTEC, Dhaka</p> <p><b>Source of Funding:</b> NA as it is virtual</p> <p><b>Start and End Date:</b> 8th December 2022</p> <p><b>Deadline for submission of nomination:</b> 16th September 2022</p>	<p>HRD to share invitation for nomination with PPD and RSTA.</p> <p>HRD received the following nomination from PPD:</p> <p style="padding-left: 40px;"><i>1. Mr. Chedup Dorji, Dy. Chief Planning officer, PPD</i></p> <p><i>HRD was informed that RSTA will submit in next MHRC</i></p>	<p><i>Noted</i></p>
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<p><b>3.6</b></p>	<p><b>Purpose:</b> Fourth Ministerial Conference on Space Applications for Sustainable Development in Asia and the Pacific</p> <p><b>Mode:</b> Virtual</p> <p><b>Country/Institute:</b> Economic and Social Commission for Asia and the Pacific (ESCAP), Jakarta, Indonesia</p> <p><b>Source of Funding:</b> NA as it is virtual</p> <p><b>Start and End Date:</b> 26th October 2022</p> <p><b>Deadline for submission of a letter of credentials is 10th September 2022.</b></p>	<p>MHRC directed HRD to submit the invitation to Hon'ble Lyonpo for directives. And DITT to brief Hon'ble Lyonpo on this conference, should Lyonpo decide to attend.</p> <p><i>HRD submitted invitation letter to Lyonpo 30th August 2022. Lyonpo has remarked to Dasho Secretary for necessary action.</i></p>	<p><i>HRD to discuss with PS on Hon'ble Lyonpo's attendance. If not then process for Secretary's attendance.</i></p>
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**Agenda 4: Short Term Training/ Invitations.**

SI No.	Agenda:	Background/Objectives	MHRC further directives
4.1	<p><b>Purpose:</b> APT Training Course on Development Trend of Artificial Intelligence -- the construction of a complete artificial intelligence system (Online Training Course)</p> <p><b>Institute/Country:</b> BUPT, PR. China</p> <p><b>Date:</b> 1 – 8 November 2022</p> <p><b>Mode: Online</b></p> <p><a href="#">Details</a></p> <p><b>Nominations:</b></p> <ol style="list-style-type: none"> <li>1. Mr. Tshering, Dy.Chief ICTO, Data science</li> <li>1. Mr. Tshering Namgyay Wangchuk, Asst. Program Officer, TIDD</li> </ol>	<p><b>Objective:</b> The objectives of this course are:</p> <ul style="list-style-type: none"> <li>● The Development Trends of Artificial Intelligence</li> <li>● Investigating AI</li> <li>● Computer Vision and Practical Applications</li> <li>● AI-powered Computer Vision Applications</li> <li>● Deep Learning and Applications in Meteorological Field/Data Elements and Privacy</li> <li>● Computing/Dynamic Neural Networks in Super-Resolution</li> <li>● Some enabling technologies for advancing wireless communications</li> <li>● AI and Blockchain Technology</li> <li>● The Key Enabling Technologies, Standardization, and Applications of 5G and Beyond</li> <li>● Computer Vision for Autonomous Driving</li> <li>● Integration of artificial intelligence and new media development</li> </ul>	<p><i>If DITT can consider nomination of Mr. Yeshi Dorji, Chief ICTO, ICTD, MoIC to attend the training course since it is relevant to him.</i></p>

<p>4.2</p>	<p><b>Purpose:</b> 2022 Lake Pokhara Expedition.</p> <p><b>Date:</b> 27th Sept-3rd Oct, 2022</p> <p><b>Institute/Country:</b>Kathmandu and Pokhara/Nepal  <a href="#">Invitation Letter</a></p> <p>Nomination: DITT</p> <ol style="list-style-type: none"> <li>Ms. Tashi Choden, Sr. ICT Officer</li> </ol>	<p><b><u>Background</u></b></p> <p>UWICER has invited the participation of Ms. Tashi Choden, Sr. ICT Officer, DITT, in the expedition. While in UWICER, she was actively involved in GLOBE activities since its initiation in 2022. Specifically, with her background in IT and Data Science, she took the lead role in delivering some of the GLOBE training components such as GLOBE Observer, data management and visualization etc. In addition, as UWICER implements GLOBE STEM International Network, the usage and application of IT, Data Science etc is expected to increase exponentially. Given her background and past involvement in the GLOBE activities and potential to collaborate and contribute toward GLOBE-STEM education in Bhutan, the Institute would appreciate her participation and contribution in the upcoming GLOBE Expedition in Nepal.</p> <p>The expenses for the program will be covered by GIO (GLOBE Implementation Office, USA), RCO (Regional Coordination Officer, India) and GLOBE-Bhutan.</p>	<p><b>The online approval has been sought on dated 30th August 2022.</b></p> <p><b>APPROVED</b></p>
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<p><b>4.3</b></p>	<p><b>Purpose:</b> 7th Annual Meeting of Cybersecurity Alliance for Mutual Progress (CAMP)</p> <p><b>Date:</b> October 18 - 20, 2022</p> <p><b>Institute/Country:</b> Korea Internet &amp; Security Agency (KISA)/ Seoul, Republic of Korea. <a href="#">Invitation</a></p> <p><b>Nomination:</b>DITT</p> <p>1. Ms. Sonam Choki, Sr. ICT Officer, BtCIRT Division</p> <p><b>Training obligation:</b></p> <p>1. Last training attended;</p>	<p>Sonam Choki, Sr. ICTO has been invited to attend the 7th Annual Meeting of Cybersecurity Alliance for Mutual Progress (CAMP) from October 18 - 20, 2022, in Seoul, Republic of Korea.</p> <p>CAMP aims to build cybersecurity capacities and capabilities and foster global cooperation in responding to cyber threats.</p> <p>Bhutan Computer Incident Response Team and Korea Internet &amp; Security Agency have been building close relationships as well as cooperating in the variety areas of the cybersecurity field.</p> <p><b>Privilege :</b> Round-trip air fare, Airport Service, Transportation, Meals, Accommodation, Field Tour and Cultural Experiences, Covid-19 test fees, etc.</p> <p>There is no cost entertained from the RGoB budget.</p>	<p><b>The online approval has been sought on dated 30th August 2022.</b></p> <p><b>APPROVED</b></p>
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<p><b>4.4</b></p>	<p><b>Purpose:</b> Joint ITU-CITC Forum on “Connecting the World from the Skies”.</p> <p><b>Mode:</b> Hybrid (Remote participation will be facilitated).</p> <p><b>Institute/Country:</b> Kingdom of Saudi Arabia</p> <p><b>Source of Funding:</b> Funding source to be confirmed.</p> <p><b>Start and End Date:</b> 8th to 10th Nov, 2022.</p> <p><a href="#">Invitation</a></p> <p><b>Nomination:</b></p> <ol style="list-style-type: none"> <li>1. Mr. Thuezang Chophel, Dy.Ex engineer, DoTS</li> </ol> <p><b>Training obligation:</b></p> <ol style="list-style-type: none"> <li>1. Last training attended;</li> </ol>	<p><b>Objectives</b></p> <p>Provide insights on status, challenges and opportunities of current and future airborne and space-borne technologies,</p> <ul style="list-style-type: none"> <li>• open skies policy in order to help achieve sustainable connectivity for the unconnected,</li> <li>• how multiple satellite clusters at different orbits can be integrated into hybrid space-terrestrial networks within a unified topology,</li> <li>• interoperability and complementarity of space, air and land communication technologies to achieve seamless and integrated connectivity,</li> <li>• evolution of satellite to provide fixed or mobile connectivity directly to devices,</li> <li>• satellite IoT connectivity bringing the benefits of innovative IoT applications and use cases to remote and unconnected areas,</li> <li>• how stratospheric connectivity using HAPs can bring new coverage opportunities for cellular network deployment,</li> <li>• air-to-ground technology capabilities to bring broadband connectivity to airplanes,</li> <li>• recent developments of LAPs and how they can be integrated in the overall wireless connectivity landscape,</li> <li>spectrum needs for future space-borne and airborne technologies and potential innovative spectrum access and sharing mechanisms,</li> <li>• the environmental impact of space-borne and airborne technologies and the</li> </ul>	<p>APPROVED</p>
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<p><b>4.5</b></p>	<p><b>Purpose:</b> Robotics Process Automation (RDA) for Leaders</p> <p><b>Mode:</b> Online</p> <p><b>Institute/Country:</b> Singapore</p> <p><b>Source of Funding:</b> NA</p> <p><b>Start and End Date:</b> 5-7 October 2022</p> <p><b>Nomination:</b> RSTA</p> <p>1. Mr. Prem Prasad Adhikari, Chief Transport Officer</p>	<p><b>Course Objectives</b></p> <p>RPA has gained traction in the public service as a means to automate high volumes of repetitive and manual work processes. This course will present Singapore’s experience in implementing RPA in public agencies and equip participants with foundational skills and knowledge for successful RPA implementation.</p> <p><b>Synopsis</b></p> <ul style="list-style-type: none"> <li>· Introduction to RPA, its key features, functions, capabilities, risks and challenges</li> <li>· Identify suitable work processes for automation and use RPA to complement process improvement methodologies</li> <li>· Identify organisational factors for successful RPA implementation</li> <li>· End-to-end RPA implementation approach</li> <li>· Build an RPA bot using UiPath</li> </ul> <p><b>Application Information</b></p> <p>Applicants should be:</p> <ul style="list-style-type: none"> <li>· Mid- to senior-level government officials intending to use Robotic Process Automation (RPA) as a solution to improve their agency’s work processes;</li> <li>· Nominated by their respective Governments;</li> <li>· Proficient in written and spoken English; and</li> <li>· In good health.</li> </ul>	<p><b>The online approval has been sought on dated 31st August 2022.</b></p> <p><i>Approved.</i></p>
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<p><b>4.6</b></p>	<p><b>Purpose:</b> Joint ESCAP-UIC Regional Capacity Building Workshop on Accelerating Rail Digital Transformation in Asia-Pacific Region</p> <p><b>Mode:</b> Virtual</p> <p><b>Institute/Country:</b> Bangkok, Thailand</p> <p><b>Source of Funding:</b> NA</p> <p><b>Start and End Date:</b> 3 October 2022</p> <p><b>Nomination:</b></p>	<p>The objective of the Workshop is to deepen the understanding of the railway policy makers on ways to harness the potential of rail digitalization in supporting shifts towards sustainable freight in the region. The outcomes of the workshop would also feed into the regional strategy on rail digitalization that is being drafted as per the recommendations of the 7th meeting of the working group on the Trans-Asian Railway network.</p>	<p><i>RSTA and PPD to discuss nomination.</i></p>
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<p><b>4.7</b></p>	<p><b>Purpose:</b> APT Training Course on Radio Spectrum Management and Monitoring for Wireless Broadband Infrastructure and IoT (Online Training Course)</p> <p><b>Mode:</b> Online Training</p> <p><b>Institute/Country:</b> (TELEC), Japan</p> <p><b>Source of Funding:</b> Telecom Engineering Center (TELEC)</p> <p><b>Start and End Date:</b> 20-28 October 2022</p> <p><b>Closing date of the nomination (<u>26 September 2022</u>)</b></p>	<p>Objectives:</p> <p>The objective of this training course is to raise the level of participants' administrative and technical knowledge of radio spectrum management and monitoring including the latest technologies for wireless broadband infrastructure and IoT.</p>	<p><i>DITT to discuss nomination with relevant stakeholders</i></p>
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<p><b>4.8</b></p>	<p><b>Purpose:</b> Industrial Controls Systems &amp; one day cybersecurity evaluation tool course  <b>Date:</b> 12-16 September, 2022  <b>Mode:</b> Physical  <b>Institute/Country:</b> Idaho, the United States  <b>Funded by:</b> Department of Homeland Security and the Department of State (US)</p> <p><b>Nomination:</b></p> <ol style="list-style-type: none"> <li>Mrs. Dechen Chhoeden, dy.chief ICTO, BtCIRT</li> </ol> <p><a href="#">Invitation</a></p> <p><a href="#">Instruction</a></p>	<p>Firstly, this invitation has come at a short notice to the Department of Bilaterals (MoFA) and the DITT took a day to finalise the participants since our Director is out of station and getting a concrete response took time. Requesting for an online approval from the MHRC la.</p> <p><b>Background</b></p> <p>The Department of Homeland security through the US embassy in India has extended an invitation seeking 1-3 participants from Bhutan for a four day cybersecurity course titled “Industrial Controls Systems (ICS) 301L training and one day Cybersecurity Evaluation Tool course” to be held at Idaho National Laboratory in Idaho, the US from 12-16 September, 2022. The training, funded by the Department of Homeland Security and the Department of State, covers all the travel related costs including the tuition fees for the participants.</p> <p>Through this course, participants will receive hands-on training in protecting and securing ICS from cyber incidents, a Red team and Blue team exercise that will be conducted within an actual control system environment.</p> <p>The MoFA has asked for 3 nominees, including one from DITT the other two are from BPC and DGPC.</p>	<p><b>Approved at no cost to the RGoB.</b></p>
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<p><b>4.9</b></p>	<p><b>Purpose:</b> Training on CCNA under the Asi@Connect Project  <b>Date:</b> 6-15th September  <b>Institute/Country:</b> College of Science and Technology  <b>Mode:</b> In-person  <b>Funded by:</b> Project Asi@ Connect  <b>Nominees:</b>  1. Ms. Pema Choezom, Communication engineer, DoTS  2. Ms. Phuntsho Choden, Network Engineer, DoTS</p>	<p>This training is designed for engineers and system staff working at Universities, academic networks, and R&amp;E networks especially involved in the switching and routing.</p> <p>The project will bear all the expenses related to the training as per the ToR of the project. However, the participants will not be paid travel allowance and mileage.</p> <p><a href="#">Invitation details</a></p>	<p><i>Clarification was sought whether CCNA is a programming certification course or not? DITT clarified that it is relevant to telecommunication and network engineers also.</i></p> <p><i>Approved.</i></p>
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<p><b>4.10</b></p>	<p><b>Purpose:</b> On the Job Training (OJT) for licensing of ATC  <b>Institute/Country:</b> International airport and domestic: Paro, Bumthang, Gelephu and Yonphula Bhutan.  <b>Funding Source:</b> RCSC (GOI PTA)  <b>Start/End Date:</b> 01 September 2022-29 May 2023 (tentative)  <b>Mode:Physical</b>  <b>Nominations:</b></p> <ol style="list-style-type: none"> <li>1. Netra Prasad, Sr. ATC-III</li> <li>2. Sushma Rai, Sr. ATC-III</li> <li>3. Jamgyang Sherub, Sr. ATC-III</li> <li>4. Jigme Wangchuk, Sr. ATC-III</li> <li>5. Dorji Wangchuk, Sr. ATC-II</li> <li>6. Kinley Wangchuk, Sr. ATC-II</li> <li>7. Ugyen Tshering, Sr. ATC-III</li> <li>8. Ten Dorji, ATC-II</li> <li>9. Ugyen Zomba, ATC-II</li> </ol>	<p><b>Background/objectives</b></p> <p>In accordance with the unit competence scheme (UCS) established under the requirement of BCAR-PEL, ATCO.B.025, a unit providing Air Traffic Services shall be provided with Unit Training, under which the Air Traffic Services are provided. The unit training consists of Transitional Training, Pre-OJT and OJT. It is intended that all the domestic controllers will be provided with the unit endorsement at Paro ATS with an aim to enhance their competence and issue license before ICAO Coordinated Validation Mission (ICVM) assess the competency of Air Traffic Controller. The other reason for proposing the unit training is to enhance their capacity of controlling tactics, provide them the familiarization of that aerodrome so that the controllers are aware of the traffic situation in busy airport and can easily handle the traffic without any hesitation especially during staff shortage.</p> <p>Seeking endorsement from MHRC for further submission to RCSC requesting <b>Nu.0.893</b> million to conduct the training programme.</p>	<p><i>DoAT DG submitted that Paro being international airport frequency of air traffic is high compared to domestic airports. Thus, training will be mostly conducted at Paro International Airport. MHRC also discussed budget proposals and noted that in principle it is approved by the RCSC as bilateral discussion with DoAT and the commission was already held. The DG justified the source of funding will be from RCSC (GoI PTA). MHRC approved the training programme and directed HRD to further submit to RCSC.</i></p>
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<p><b>4.12</b></p>	<p><b>Purpose:</b>To attend the Air Traffic Control Watch Managers Course</p> <p><b>Mode:</b>Face to Face/Physical</p> <p><b>Institute/Country:</b>Singapore Aviation Academy, Singapore</p> <p><b>Source of Funding:</b> DSA under Fellowship of Singapore – ICAO Programme for Young Aviation Professionals 2022/2023. Airfare from ADB Budget.</p> <p><b>Start and End Date:</b>19 – 23 September 2022</p> <p><b>Nominations: DoAT</b></p> <p>1. Mr. Sonam Dorji (ATC-II, Paro)</p> <p>EID: 20180109996</p>	<p>Objectives:</p> <p>To enhance the knowledge and skills of experienced air traffic controllers in order to prepare them for their role as operational ATC supervisors.</p> <p>Contents</p> <p>The course provides the participants with knowledge and skills in the following areas:</p> <ul style="list-style-type: none"> <li>· The role of Watch Manager</li> <li>· Communication skills</li> <li>· Conflict management</li> <li>· Stress management</li> <li>· Motivation and encouragement</li> <li>· Change management</li> </ul>	<p><i>Approved.</i></p>
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<p><b>4.13</b></p>	<p><b>Purpose:</b> Capacity Building Webinar on Cross-Sectoral Infrastructure Sharing for Broadband Connectivity  <b>Institute/Country:</b> Asian and Pacific Training Centre for ICT for Development (APCICT/ESCAP), Bangkok, Thailand.  Funding Source: NA as it is virtual  <b>Mode: Virtual, via Zoom</b>  <b>Start and End Date:</b> 29 to 30 September 2022  <b>Deadline for nomination: 12 September 2022.</b></p>	<p>The event will mark the launch of APCICT’s Academy Module on "Cross-Sectoral Infrastructure Sharing for Broadband Connectivity". The module introduces the concept of cross-sectoral infrastructure sharing and provides an overview of how suitable strategies can be leveraged to expand the reach of broadband connectivity to the unserved and underserved living in rural and remote parts of the world.</p> <p>The webinar aims to foster a better understanding and appreciation of cross-sectoral infrastructure sharing that supports broadband connectivity to reach the unconnected. It will also explore the policy and regulatory issues around infrastructure sharing and explain prevalent models of cross-sectoral infrastructure sharing with illustrative examples. The module will support policymakers in decision making process and provide recommendations to support meaningful broadband connectivity.</p> <p>The event is targeted to policymakers and civil servants at the national and local government levels who are responsible for or associated directly or indirectly with telecommunication infrastructure, ICT, renewable energy, transportation, utilities, finance, planning and implementation. <b>Invited to nominate 5 participants.</b></p>	<p><i>DITT to discuss nomination from PPD and BICMA also.</i></p>
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<p><b>4.15</b></p>	<p><b>Purpose:</b> Basic Training Course  <b>Institute/Country:</b> Fire Service Training, Calcutta, India  <b>Funding Source:</b> RCSC (GOI PTA)  <b>Start/End Date:</b> 25th October 2022 - 14th February 2023  <b>Mode:Physical</b></p>	<p>The course aims to provide theoretical knowledge and practical experience in firefighting and rescue operations, maintenance of fire and rescue essentials, and various fire drills. It will enhance improving airport emergency service as mandated by ICAO and BCAA regulations. More so, the Standard Operating Procedure, 2019, and Service Manual for rescue and firefighting services extracted based on the provisions of Annex 14 of ICAO have clear reflections of this requirement.</p> <p>The basic training shall include fire and fire extinction, types of extinguishing agents, handling and care of equipment, aircraft familiarization and knowledge of local topography</p>	<p><i>DoAT to submit nominations</i></p>
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<p><b>4.16</b></p>	<p><b>Purpose:</b> Self Contained Breathing Apparatus  <b>Institute/Country:</b> Nepal Airport  <b>Funding Source:</b> RCSC (GOI PTA)  <b>Start/End Date:</b> 26th September-30th September 2022  <b>Mode:Physical</b></p>	<p>This operational course will provide the fire and personnel with knowledge of self-contained breathing apparatus and the confidence to perform rescue and fire-fighting operations in unbreathable environments and confined spaces. SCBA is used to protect firefighters against oxygen deficiency, smoke and fires under drills/training and in the event of actual aircraft emergencies.</p>	<p><i>DoAT for further discussion and nomination</i></p>
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