

**Proceedings of the 9<sup>th</sup> Meeting**  
**of**  
**Air Quality Monitoring Committee**  
**under**  
**Chairmanship of Principal Secretary, Science, Technology and Environment**



**15<sup>th</sup> January 2020**

**Directorate of Environment and Climate Change**  
**Department of Science, Technology and Environment**  
**Government of Punjab**

**Minutes of 9<sup>th</sup> meeting of Air Quality Monitoring Committee (AQMC) held on 15.01.2020 at 11.00 AM under the Chairmanship of Principal Secretary, Science, Technology & Environment (STE), Govt. of Punjab in the Conference Room, O/o PSCST, Chandigarh to review the Progress of Action Plans for Clean Air of Nine Non-Attainment Cities.**

<b>Agenda No. 9.1</b>	<b>Leave of Absence</b>
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The list of officers, who attended the meeting is attached at **Annexure-I**.

<b>Agenda No.9.2:</b>	<b>Action Taken Report on the Minutes of the meeting held on 28.11.2019</b>
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Action taken on the proceedings of 8<sup>th</sup> meeting was noted by the Committee.

<b>Agenda No.9.3:</b>	<b>Review of meetings held by District Committees for non-attainment cities</b>
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Meetings held by various District Committees of non-attainment cities, was noted by the committee. It was noted that RO, Ludhiana has convened only 2 no. District Level meetings.

Chief Engineer (Air), PPCB was directed to ensure that RO's must convene regular District Level meetings to review the progress of various activity of Action Plan and concerned Deputy Commissioner of Non attainment cities must validate the progress made by various stake holder departments.

Further, it was directed to ensure that Agenda being prepared by respective ROs for convening District level meetings should be in line with the Agenda being discussed in AQMC meeting at State level.

<b>Agenda No. 9.4:</b>	<b>Review of progress w.r.t. activities pertaining to Punjab Pollution Control Board</b>
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The Committee reviewed the progress of various activities relating to PPCB as per Agenda and following observations / directions were issued:

<b>Activity No.</b>	<b>Activity</b>	<b>Observations and Decisions</b>
CIE -1	Conversion to Side Suction Hood in	The progress was found to be slow & timeline has also expired. It was informed that Chairman, PPCB has directed concerned RO's of NACs, to ask the IFs units having melting

	Induction Furnaces (IFs)	<p>capacity less than 1TPH, to obtain adequacy certificate from PSCST for existing APCD.</p> <p>PPCB was directed to revoke CTO and issue closure directions to the defaulting units (who have not converted to Side Suction Hood where ever applicable), as the target timeline for conversion has already exceeded.</p>
CIE -2 (i)	Conversion of Industries from Coal to CNG/ PNG	<p>The progress was found to be extremely slow at Mandi Gobindgarh and non-starter at Ludhiana, Khanna , Amritsar. Further, PPCB informed that M/s Jay Madhok responsible for laying pipeline at Ldh &amp; Jalandhar is non responsive.</p> <p>PPCB was directed to take action against the M/s Jay Madhok as per the prevailing Law and impose Environmental Compensation (EC) on defaulting CNG/PNG pipeline laying companies which are non responsive or not meeting the target timelines.</p>
CIE-3	Conversion of Natural Draft Brick Kilns to Induced Draft	<p>The progress was found to be extremely slow at Ludhiana and Amritsar &amp; timeline has also expired.</p> <p>PPCB was directed to revoke CTO and issue closure directions to the defaulting brick kilns. Further, concerned Regional Officers to be held accountable who have failed to impose and recover EC from defaulting Brick Kilns as per the Govt directions w.e.f 01.02.2019.</p>
CIE-4	Action against Non-Complying Industrial units	<p>The disposal of cases was extremely slow as action against 78 cases is pending for more than 45 days.</p> <p>PPCB was directed to directly impose EC on non compliant industrial units instead of imposing Performance Bank Guarantee and expedite the progress of recovery of PBG/EC. PPCB shall maintain separate account for EC recovered.</p>
CIE - 5	Shifting of Industries from non – designated areas	<p>Chief Engineer (Air), PPCB was directed to provide the updated list of industries situated in non-designated areas to TCP Deptt.</p> <p>Further, Town Country Planning Deptt. being the nodal</p>

	to Industrial Area	agency shall review the master plans of NACs as per the directions of NGT order dated 20.11.2019 in O.A. No. 681/2018 and evolve mechanism for shifting industrial units from residential areas immediately in co-ordination with PPCB & DIC.
CBGB-3	Control on burning of agriculture waste and crop residue	<p>PPCB informed that mobile application for Action Team to report status online regarding action taken against fire events and validation from the field itself is under development and will be operational before Rabi Season burning. EC recovery is extremely slow.</p> <p>PPCB was asked to direct concerned Regional Officers to prepare a list of challan issued to the defaulters engaged in stubble burning and review meeting be convened under the Chairmanship of DC for the recovery of EC. Regional Offices shall take the matter on top priority as Supreme Court is monitoring the progress of the State regularly in WP (Civil) No 13029 of 1985.</p> <p>Where recovery of EC is not made, PPCB may launch prosecutions against the repetitive offenders engaged in stubble burning.</p>
COS-1	Dissemination of Air Quality Index	<p>PPCB informed that as per NGT order dated 20.11.2019 in O.A. No. 681/2018, directed SPCB to install minimum no. of CAAQMS/Manual stations within one year in 25 cities of Punjab on the basis of population 2011 census. Further, min. no. of manual / CAAQMS stations required in 25 cities of Punjab are following:</p> <p>Manual Stations – 60 no. CAAQM Stations – 32 no.</p> <p>PPCB was directed to immediately transfer the Grant-in –Aid received under NCAP to Punjab State Council for Science &amp; Technology on behalf of DECC except the expenditure to be incurred on the procurement of CAAQM stations. Further, PPCB shall include nominee of DECC in the Technical Committee for finalization of specifications and purchase of CAAQMS in compliance to above NGT orders.</p>
COS-2 & 3	Establish an Air Quality Management	PPCB informed that as per NGT order dated 20.11.2019 in O.A. No. 681/2018, directed SPCB to develop Public Grievance Redressal Portal for NACs on the pattern of CPCB

	Division at SPCB HQ and helpline in each city as well as SPCB HQ	<p>portal “Sameer” within 2 months.</p> <p>PPCB was directed to set up Public Grievance Redressal Portal for NACs of Punjab on the pattern of CPCB portal “Sameer” in coordination with NIC in compliance to above NGT orders.</p> <p>PPCB to expedite the implementation of Public Grievance Redressal Portal by conducting the meeting with CPCB and other stakeholder through video conferencing.</p>
COS- 4	Monitoring of DG sets	<p>The disposal of cases was slow as action against 4 cases is pending for more than 45 days.</p> <p>PPCB was directed to expedite the progress by completing action against the defaulting units and sealing the non compliant DG sets.</p>
COS- 5	Source Apportionment Study	<p>PPCB informed that NGT vide order dated 20.11.2019 in O.A. No. 681/2018, had directed SPCB to complete the Source Apportionment and Carrying Capacity of the cities within 3 months.</p> <p>PPCB was directed to expedite the progress in compliance to the above NGT orders. Micro level Planning for each action in the city action plan, shall be carried out for reduction of emission from contributing sources.</p>
COS - 6	Training and Capacity Building Programme	<p>No Progress</p> <p>PPCB was asked to expedite the process by involving CPCB identified agencies so that awareness programs can be started for industrial/vehicular and paddy stubble burning to control pollution.</p>
CIE-0	Air Quality Monitoring Report	<p>PSCST informed that development and setting up of integrated dashboard for real time data monitoring of Ambient air/Emissions/Effluents etc in the state would be commissioned by 31.03.2020.</p> <p>It was directed that PPCB and PSCST to jointly follow up with NPL for certifying low cost ambient air quality monitoring</p>

		<p>equipments, so that PPCB can procure these monitoring equipments.</p> <p>Further, PPCB to conduct pilot study to evaluate the impact on emissions ( PM<sub>2.5</sub> &amp; PM<sub>10</sub>) before &amp; after recarpeting of roads/ plugging of potholes in various stretch in order to address the problem of road dust contribution.</p>
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**Agenda No.9.4 Review of progress w.r.t. activities pertaining to Local Government:**

Progress made by the Department was discussed as under:

<b>Activity No.</b>	<b>Activity/ Decisions</b>	<b>Observations and Decisions</b>
CRD 1 (i)	Maintain pothole free roads /Patch work of roads	The progress was found satisfactory.
CRD 2 (i)	Water sprinkling on identified roads	The progress was found satisfactory. MCs to integrate GPS monitoring of vehicle movements at single station and also to share link of water sprinkler vehicles to DECC.
CRD 2 (ii)	Procurement of water sprinklers	The progress was found slow. Local Govt. to expedite the progress of procurement.
CRD 3	Procurement of Mechanical sweeping machines	The progress was found slow. MCs to integrate GPS monitoring of vehicle movements at single station and also to share link of sweeping machines to DECC.  MCs were advised to appoint a nodal officer to track movement of GPS based vehicles (Mechanical Sweeping Machine / Water Sprinkler) for improving efficiency of system. Further mechanism for levying penalty / action

		against service provider for dereliction in the service be put into place.
CRD 4(i)	Creation of green buffers along road side	<p>The progress was found satisfactory.</p> <p>MCs to update and provide GIS link/ web file of GIS mapping on their website as well as share link to DECC.</p> <p>District Environment Committee to verify the progress and report to DECC.</p>
CRD 5	Greening of parks, open areas, community places, schools and housing societies	<p>The progress was found satisfactory.</p> <p>MCs to update and provide GIS link/ web file of GIS mapping on their website as well as share link to DECC.</p> <p>District Environment Committee to verify the progress and report to DECC</p>
CRD 6	Installation of Water fountains at major traffic intersections	<p>The progress was found slow.</p> <p>Local Govt. to expedite the progress.</p>
CRD 7 (a-i)	Kaccha/Brick Paved Roads to be made Pucca roads	<p>The progress was found slow.</p> <p>Local Govt. to expedite the progress.</p> <p>District Environment Committee to verify the progress and report to DECC</p>
CRD 7 (b-i)	Existing roads requiring recarpeting	<p>The progress was satisfactory.</p> <p>District Environment Committee to verify the progress and report to DECC</p>

CRD 7 (c-i)	Pavement of road side using interlocking tiles	<p>The progress was found slow.</p> <p>Local Govt. to expedite the progress.</p> <p>District Environment Committee to verify the progress and report to DECC</p>
CVE 4(a-i)	Creating parking infrastructure to prevent parking of vehicles in non-designated areas by designated parking lot site (Nos.)	<p>The progress was found extremely slow.</p> <p>The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.</p>
CVE 4(a-ii)	Creating parking by developing Multi storey parking lots (Nos.)	<p>The progress was found extremely slow as DPRs have been prepared by Ludhiana only.</p> <p>The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.</p>
CVE 4 (a-iii)	Creating parking for trucks/ commercial vehicles (Nos.)	<p>The activity was a non- starter by Khanna &amp; Mandi Gobindgarh ULB.</p> <p>The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.</p>
CVE 4(b-i)	Creating parking infrastructure to prevent parking of vehicles in non-designated areas	<p>The progress was found extremely slow. Only 4 no. "Roadside parking has been earmarked by yellow line" by Jalandhar ULB. Whereas, other ULBs are yet to start this activity.</p> <p>The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.</p>



CVE 4(b-ii)	Prevent parking of vehicles in non-designated areas by enforcement	The progress was found Satisfactory.
CVE 6 (a)	Widening of roads and infrastructure for decongestion of roads	The progress was found extremely satisfactory
CVE 6(b)	Road design improvement	The progress was found extremely slow.  ULB, Ludhiana was directed to expedite the progress to achieve the target as per the time line given in the action plans.
CVE 7	Installation of intelligent traffic systems	The progress was found extremely slow.  The work has been initiated at Jalandhar ULB under Smart City Project. Whereas no physical progress has been made by other ULBs at Patiala and Amritsar.  ULBs were directed to expedite the progress to achieve the target as per the time line given in the action plans.
CVE 8	Construction of expressways/ bypasses to avoid congestion	The progress was found extremely slow.  ULB Ludhiana was asked to expedite the progress to achieve the target as per the time line given in the action plans.
CVE 11 (b)	Introduction of CNG based city Bus Service	The activity is non starter.  Local Govt. was advised to examine the viability of introducing CNG/Electric Vehicles as city bus service and develop model/policy for Introduction of city Bus Service other than Diesel Vehicles for Amritsar, Ludhiana & Jalandhar ULBs as infrastructure for availability of CNG has already been developed at Jalandhar and Amritsar.  Department was advised that small viability issues in the

		implementation of city bus service on green fuel, can be overlooked for sustainable development.
CBGB 1	Control on open burning of bio-mass in City	The progress was found to be slow. Department was asked to expedite the progress to achieve the target as per the time line given in the action plans.
CBGB 2	Control on burning of municipal solid wastes	11% of sites found burning solid waste out of total inspected. Local Govt. was directed to identify technology based online solution to identify spots of burning of municipal solid wastes and work out criteria for imposing penalty by next meeting.
CCDA 1(a)	Enforcement of Construction & Demolition Waste Rules	20 % of sites inspected were found non compliant. It was directed:  i) Local Govt. to provide the list of major commercial Buildings under construction for each ULB.  ii) To identify technology based online solution to identify spots & work out criteria for imposing penalty for violating C&D rules by the next meeting.
CCDA 1 (b)	Development of Infrastructure of Construction & Demolition waste	The progress was found satisfactory.  15 processing sites are notified out of target 25 for C&D waste disposal.
CCDA 2	Control measures for fugitive measures w.r.t Construction & Demolition Activities	The progress was found satisfactory.  Local Govt. was asked to prepare a Standard Operating Procedure (SOP) for construction projects as per C & D Rules by the next meeting.
CCDA 3	Control measures for carrying the	Local Govt. was asked to prepare a Standard Operating Procedure (SOP) for construction projects as per C & D Rules by

	construction material in covered vessels	the next meeting.
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**Agenda No.9.5 Review of progress w.r.t. activities pertaining to PWD**

Progress made by the Department was discussed as under

<b>Activity No.</b>	<b>Activity/ Decisions</b>	<b>Observations and Decisions</b>
CRD 1 (ii)	Maintain pothole free roads /Patch work of roads	The progress was found satisfactory.  District Environment Committee to verify the progress and report to DECC
CRD 7 (b-ii)	Existing roads requiring recarpeting	The progress was found satisfactory.  District Environment Committee to verify the progress and report to DECC
CRD 7 (c-ii)	Pavement of road side using interlocking tiles	The progress was found satisfactory.  District Environment Committee to verify the progress and report to DECC
CVE 6 (a)	Widening of roads and infrastructure for decongestion of roads	The progress was found extremely slow.  The Department was asked to expedite the progress of remaining work and complete the work as per the time line given in the action plans

**Agenda No. 9.6 Review of progress w.r.t activities pertaining to PUDA**

Progress made by the Department was discussed as under:

<b>Activity No.</b>	<b>Activity/ Decisions</b>	<b>Observations and Decisions</b>
CRD 1 (iii)	Maintain pothole free roads /Patch work of roads (PUDA)	The progress was found satisfactory.  District Environment Committee to verify the progress and report to DECC
CRD 7 (a-ii)	Kaccha/Brick Paved Roads to be made Pucca roads	The progress was found slow. District Environment Committee to verify the progress and report to DECC  Department asked to expedite the progress of remaining work at Jalandhar and complete as per the time line given in the action plans.
CRD 7 (b-iii)	Existing roads requiring recarpeting	The progress was found satisfactory.  District Environment Committee to verify the progress and report to DECC
CRD 7 (c)	Pavement of road side using interlocking tiles	This activity is non starter. PUDA informed that the work has been withdrawn.  Committee took the information on record.
CVE 6 (a)	Widening of roads and infrastructure for decongestion of roads	The progress was found extremely slow.  Department was asked to expedite the progress of remaining work and complete the work within the time line given in the action plans
CVE 8	Construction of expressways/ bypasses to avoid congestion	The progress was found extremely slow.  Department was asked to expedite the progress of remaining work and complete the work within the time line given in the action plans

<b>Agenda No. 9.7</b>	<b>Review of progress w.r.t. activities pertaining to Department of Transport</b>
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Progress submitted by the Department was discussed as under:

<b>Activity No.</b>	<b>Activity/ Decisions</b>	<b>Observations and Decisions</b>
CVE 1	Public awareness campaign	The progress was found Satisfactory.
CVE 2	Remote sensor-based PUC system	The progress was found slow. Department was asked to expedite the progress of remaining work and complete the work within the time line given in the action plans.
CVE 9	Phasing out commercial diesel vehicles more than 15 years old.	Deptt. Informed that the Central Govt. as per Section 59 of the Motor Vehicles Act, 1988 is empowered to fix the age limit of motor vehicles. Proposal has been sent to the Govt. of Punjab, Deptt. Of Transport for taking decision into the matter.
CVE 10	Promotion of E-vehicles	Deptt. informed that Draft Policy of E-Vehicle has been prepared and will be notified soon.
CVE 11	Introduction of CNG based autos/taxis.	Deptt. Informed that there is no immediate proposal to introduce CNG based autos/taxis. Department was directed to frame the policy for Introduction of CNG/E-Vehicle based autos/taxis for Amritsar, Ludhiana, Jalandhar cities.

**Agenda No. 9.8      Review of progress w.r.t. activities pertaining to Traffic Police**

Progress made by the Department was discussed as under:

<b>Activity No.</b>	<b>Activity/ Decisions</b>	<b>Observations and Decisions</b>
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CVE 1	Public awareness campaign for control of vehicular emissions	It was noted that 2581 Public awareness camps organised, Department was advised to conduct regular public awareness campaign
CVE 3	Extensive drive against polluting vehicles.	It was noted that 6854 challans issued against polluting vehicles. Department was asked to make regular inspections & challaning of violator.
CVE 4	Prevent parking of vehicles in non-designated areas by enforcement actions	47917 challans issued to prevent parking of vehicles in non-designated area. Traffic police was directed to start challaning vehicles on basis of CCTV camera footage & report by next meeting.

**Agenda No. 9.9      Review of progress w.r.t. activities pertaining to PSIEC**

Progress made by the Department was discussed as under:

<b>Activity No.</b>	<b>Activity/ Decisions</b>	<b>Observations and Decisions</b>
CRD 4	Creation of green buffers along the road side	The progress was found satisfactory.
CRD 7	Existing roads requiring recarpeting	The progress was found extremely slow. No progress has been made by PSIEC at Amritsar, Naya Nangal & Dera Bassi cities.  Department was asked to expedite the progress of remaining work and complete the work within the time line given in the action plans.

**Agenda No 9.10      Review of progress w.r.t. activities pertaining to Deptt. of Town & Country Planning**

Progress made by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
CIE 5	Shifting of industries from non-designated areas to industrial Area	<p>No Progress has been made.</p> <p>It was informed that NGT vide order OA No. 681/2018 dated 06.08.2019 &amp; 20.11.2019 had directed Deptt of Town &amp; Country Planning (DTCP) to ensure review of master plans specially for Non- Attainment Cities (NAC) to be consistent with carrying capacity &amp; source apportionment study reports being carried within 6 months &amp; furnish compliance report to Tribunal &amp; CPCB.</p> <p>Town &amp; Country Planning Deptt. being the nodal agency shall review the master plans of NACs as per the directions of above NGT order and evolve mechanism for shifting industrial units from residential areas immediately in co-ordination with PPCB, DIC &amp; PSIEC and submit the action taken report to DECC before next meeting.</p> <p>Further, Chief Engineer (Air), PPCB was directed to provide the updated list of industries situated in non-designated areas to TCP Deptt.</p>

**Agenda No 9.11 Review of progress w.r.t. activities pertaining to DIC**

Progress made by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
CIE 2	Creation of Infrastructure for CNG Pipeline	<p>The progress was found extremely slow.</p> <p>The Department was directed to take up the matter at appropriate level for completing the project at the earliest as it has already been delayed.</p>

<b>Agenda No 9.12</b>	<b>Review of progress w.r.t activities pertaining to Department of Food &amp; Civil Supplies</b>
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Progress made by the Department was discussed as under:

<b>Activity No.</b>	<b>Activity/ Decisions</b>	<b>Observations and Decisions</b>
CVE 5	Check fuel adulteration	The progress was found satisfactory  Department was asked to make regular inspections and issue challans to the violator, if any.
CVE 11	Infrastructure development for CNG filling stations	The progress was found slow.  Department asked to expedite the progress and complete the activity as per the timeline given in the action plans.

Meeting ended with a vote of thanks to the Chair.



**Annexure-I**

List of Officers who attended the meeting :

1.	Department of Environment	<ul style="list-style-type: none"> <li>i) Sh. Rakesh Kumar Verma, IAS, PSSTE</li> <li>ii) Sh. Pritpal Singh, JD</li> <li>iii) Sh. Parveen Saluja, EE</li> <li>iv) Sh. Ranjit Singh, EE</li> <li>v) Sh. Abhishek Chauhan, SO</li> </ul>
2.	Punjab State Council for Science & Technology	<ul style="list-style-type: none"> <li>i) Smt. Jatinder Kaur Arora, Executive Director</li> </ul>
3.	Punjab Pollution Control Board	<ul style="list-style-type: none"> <li>i) Sh. GS Majithia, CEE</li> <li>ii) Sh. Jatinder Soni, AEE</li> </ul>
4.	Department of Local Government	<ul style="list-style-type: none"> <li>i) Sh. Rishi Pal Singh , PCS, AC, MC Ludhiana</li> <li>ii) Sh. Ajay Kanwar, Chief Engineer, Local Govt.</li> <li>iii) Sh. Mukesh Garg SE, MC Patiala</li> <li>iv) Sh. Rajneesh Dogra SE, MC Jalandhar</li> <li>v) Sh. Kulwinder Singh, ME, MC Khanna</li> <li>vi) Sh. Balvinder Singh , SDO, MC Ludhiana</li> <li>vii) Sh. Bhalinder Singh SDO, MC Amritsar</li> <li>viii) Dr. Kanwar Ajay Singh MOH, MC, Amritsar</li> <li>ix) Sh. Gurdarshan Singh, EO MC Derabassi</li> <li>x) Sh. Manjinder Singh EO, MC Nangal</li> </ul>

		xi) Sh. Anil Mehta, EO, Mc Dera baba Nanak xii) Sh. Kamal Singh JE, MC, Gobindgarh
5.	Department of PWD (B&R)	i) Sh. Bhupinder Singh, EE
6.	Department of Industries and Commerce	i) Sh. Ankur Goyal, Asst. Director
7.	Department of Transport	i) Sh. Manjit Singh, DSTC ii) Smt. Pooja, Clerk
8.	Department of Food & Civil Supplies, Punjab	i) Sh. Anil Dugga, Superintend
9.	Additional Director General Police (Traffic)	i) Inspector Kuldeep Singh, Traffic
10.	Department of PUDA	i) Sh. Jatinderpal Singh, SDE
11.	Department of Agriculture	i) Sh. Anil Sharma, AAE
12.	Department of PSIEC	i) Sh. S.K Sharma, XEN ii) Sh. Gurbachan Singh, SDE
13.	Department of Town & Country Planning	i) Sh. Harinder Singh Bajwa, CTP ii) Sh. M.S. Mann, DTP

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