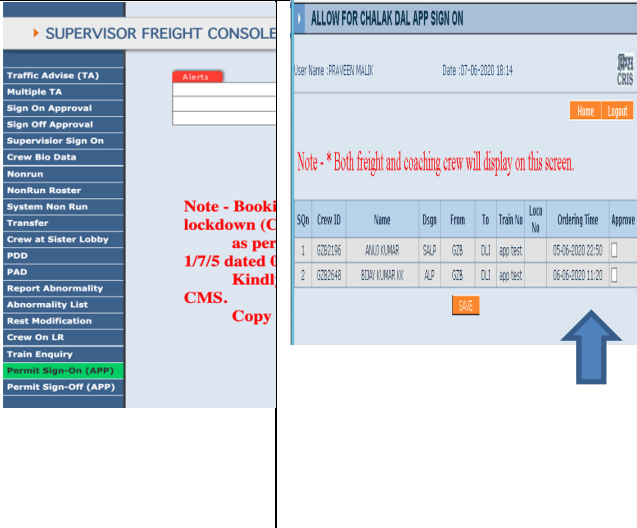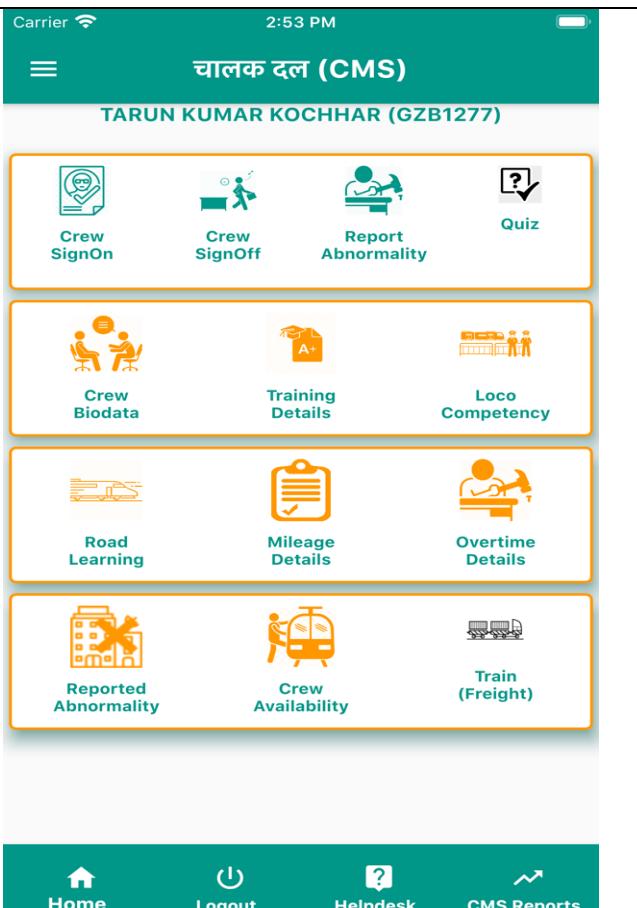## Sign-ON & Sign-OFF through Mobile App (CHALAK DAL) with Geofencing

Note:

1. Sign-ON & Sign-OFF through Mobile App (CHALAK DAL) can be done for the Lobbies to be enabled for Mobile App Sign On/Off by CRIS Console.

2. CMS application has also been modified by providing two additional module viz. Permit Sign-On (App) & Permit Sign-Off (App) under Supervisor Console from where supervisor can grant permission to crew for Sign ON and Sign OFF through Mobile App.

3. Geofencing of lobby locations have been enabled in mobile App based on Geo-fencing of station in FOIS.

4. On getting approval from the concerned lobby supervisor, **Crew can sign on and sign off through Mobile App only when he is within the geo-fencing range.**

5. Further flow of sign on and sign off process will be the same as that of CMS Kiosk as summarized below.
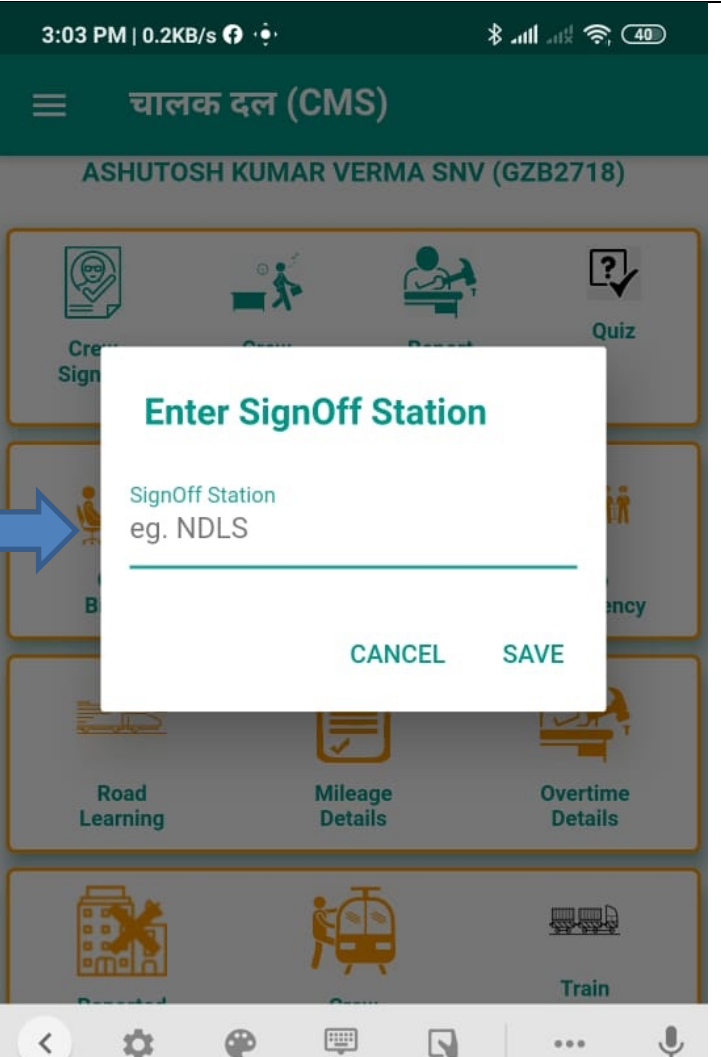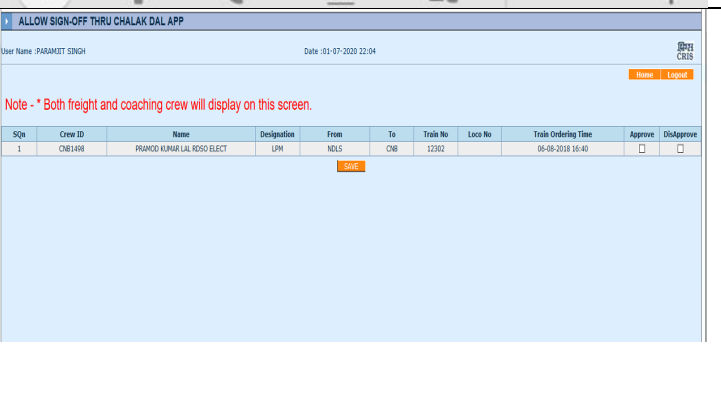
(For the Lobbies enabled for Mobile App Sign On/Off by CRIS Console)

A.   Sign ON process (Freight and Coaching) through Mobile App:

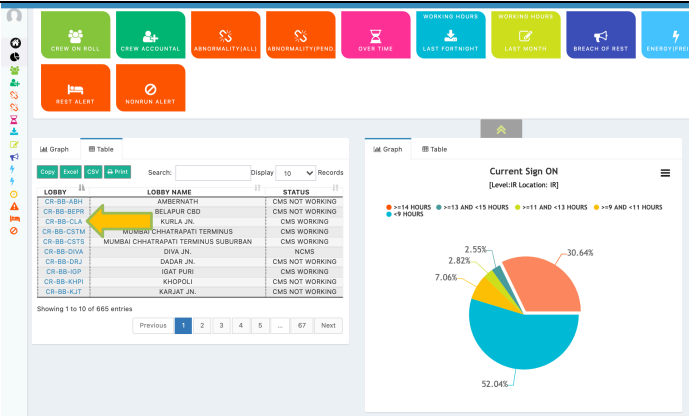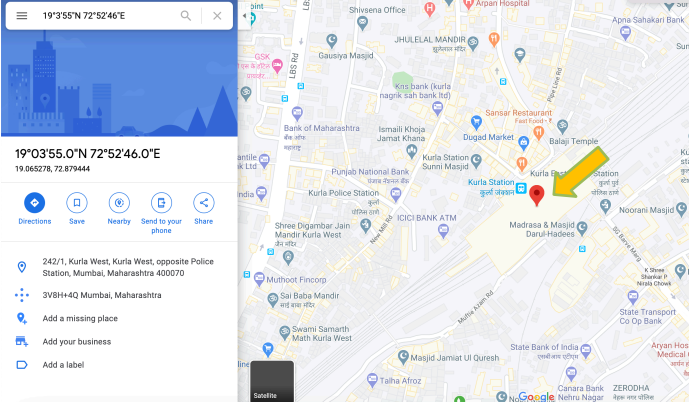| 1.0	**Modification in CMS Application:**	
1.1	A new screen titled **"Permit Sign-On (App)"** has been created under Supervisor Console of CMS application wherein list of all the crew available for Sign On will be displayed in the screen of Supervisor/CC Console. Supervisor/CC has to permit the crew for Sign-On through Mobile App (CHALAK DAL). For enabling the crew to sign on through Mobile App, supervisor/CC has to click on "Approve" button on the screen of Supervisor Console. The supervisor may select one or more crew as per the requirement to permit Sign on through the CHALAK DAL app.	
2.0	**Modification in Chalak Dal Mobile App:**	
2.1	On getting approval from Lobby supervisor for App SignOn/Off, Crew will click on SignOn/Off button in its App Home Page. Crew can sign on only when he/she is within the geofencing location as detailed in table (C). Crew will Sign-On on CHALAK DAL App after login with Crew ID & password within a time limit (Same as on Kiosk).	

2.2	Crew is required to fill-up all mandatory fields (the same as "Kiosk").
	(i) Booking details will be displayed to Crew :
	    1. Loco No.
	    2. Train no.
	    3. Service Type
	    4. Duty type
	    5. Call book Lobby
	    6. To station
	(ii) Information to be filled up or tick the check box as being done in Kiosk
	    1. Fill "BA" Token number.
	    2. I have read all the Circulars.
	    3. I have read the Caution Order.
	    4. I have passed the BA test.
	    5. I am carrying 2 sets of Spectacles.
	    6. Carrying a personal cell phone with you. (if Yes fill the Mobile No and choose Mobile Operator)
	    7. I agree with the personal detail displayed (Check Box)	

2.3	Tap on Sign-On button (Data saved after Click on Sign-On Button as being done in Kiosk).	
3.0	Crew Sign-On Completed. Rest Flow will be as usual.	

B.   Sign OFF process (Freight and Coaching) through Mobile App:

1.0	**Modification in Chalak Dal Mobile App:**	
1.1	Crew is required to login with Crew ID & password for Sign-Off on CHALAK DAL App after (Same as on Kiosk Mode).	
1.2	After the train working crew has to feed the SignOff Station code by tap on **"Crew Sign Off"** button on mobile app of CHALAK DAL home page, on which he has to SignOff through APP .	
2.0	**Modification in CMS Application:** A new screen titled "**Permit Sign-Off (App)**" has been created under **Supervisor/CC Console** of CMS application wherein list of all the crew who have filled the Lobby Code for SignOff through CHALAK DAL App will be displayed . The supervisor may select one or more crew as per the requirement to permit/reject. (CMS Application may show data of individual Crew for last Sign-On to supervisor for taking a decision in this regard).	
3.0	On getting approval from Supervisor/CC, Crew can sign Off through Mobile App. Crew is required to tap on "Crew Sign Off" button on the home screen of CHALAK DAL mobile app.	

	Crew can sign off only when he/she is within the geofencing location as detailed in table (C).	
3.1	Following information will be displayed to Crew : i) Service Type ii) Duty Type iii) From station iv) To station v) SignOn Time	**Carrier** 📶 1:10 PM 🔋 ‹ **Crew Sign Off** 🏠 BRAHM NARESH DC(GZB2608-ALP) **Your Journey Details:** **Serivice Type : CCHP** **Duty Type : WR** **From Sttn : GZB** **To Sttn : DLI** **SignOn Time :** **16-06-2020 18:00** **Select Route** ▾ SignOff Time ⊖ 18-06-2020 13:10 ⊕ Loco No 30032 ✅ **Loco Type** ▾ Train No ttttttt BA Token No CTO Time 📅 Departure Time 📅 Arrival Time 📅 CMO Time 📅 Train Wgt(W/o Loco) I'll Take Rest Normal ▾ **Abnormality** ◯ Yes ⦿ No ☐ **Banker Loco** **Sign Off Type** ⦿ Normal ◯ Crew Movement Entry ☐ **I agree with the personal detail displayed** **Reset** **SignOff**

3.2	Crew is required to select the SignOff Type
	    1. Normal
	    2. Crew Movement Entry	

3.3	If Normal SignOff is selected by Crew, Crew is required to select the Route on which he has worked.
	<center>OR</center>
	If Crew Movement Entry option is selected by Crew, Route selection is optional.
	
	Crew is required to fill-up all mandatory options, in both the cases (1. Normal Sign Off, and 2. Crew Movement Entry) which are same as in "Kiosk": -
	    (i) Select Route
	    (ii) SignOff Time (+5/-10Min)
	    (iii) CAB1 & CAB VCD Status
	    (iv) Loco No.
	    (v) Fill the "BA" number
	    (vi) EMR status
	    (vii) From Sttn EMR
	    (viii) To Sttn EMR
	    (ix) HOG Energy (Coaching train with Elect. Loco only)
	    (x) Departure Time
	    (xi) Arrival Time
	    (xii) Train Weight (W/o Loco)
	    (xiii) I'll Take rest
	    (xiv) Abnormality (Yes/No)
	    (xv) Banker Loco (With Check box)
	    (xvi) I agree with the personal detail displayed (Check Box)
	 (Note: In case ALP & Guard Sr. no. ii, iv, v, vi, vii, viii, ix, xii are not required)	

4.0	Tap on Sign-Off button. Sign off will be completed and Crew will be directed to home page of CHALAK DAL mobile App. Rest Flow will be as usual.	

C. Provision of Geofencing in Chalak Dal Mobile App for Sign ON and Sign off:

1.0	To check about the GPS Location for the Lobby stored in CMS Database, CMSREPORT can be checked in the Table of Lobby status in Divisional, Zonal and IR Level Login. GPS coordinates of concerned station has been taken into consideration for the lobby. Geofencing has been enabled in Chalak DAL mobile app for 500 meters radial distance around the station coordinates. The geofencing distance can be modified as and when required.	
2.0	By clicking on the Zone-Division-Lobby in CMSREPORT on Internet connection in the Lobby status table, the Google Maps will display the exact latitude/longitude of the GPS Coordinates. Lobbies should check the location and can request CRIS / CAO/FOIS office for modification the GPS Coordinates, if required.	

3.0	After getting permission by Lobby supervisor for App SignOn, Crew will click on Sign On button in its App Home Page. The GPS Coordinates of crew along with the distance from lobby will appear on Upper part of Crew Sign On page.	

If Crew is not in the range (500 meter) of the SignOn/Off Lobby, his present GPS coordinates along with distance from Lobby will appear in Red Color and sign on/off will not be permitted.

If Crew is in the range (500 meter) of the SignOn/Off Lobby, GPS info will appear in Green color and he can Sign On/Off.

4.0	As detailed in above para, Crew can sign off through mobile app on getting approval from lobby supervisor only when he/she is within the geofencing location.
	After getting permission by Lobby supervisor for App Sign Off, Crew will click on Sign Off button in its App Home Page.
	The GPS Coordinates of crew along with the distance from lobby will appear on Upper part of Crew Sign Off page.
	If Crew is in the range (500 Meter) of the Sign Off Lobby, GPS info will appear in Green color, otherwise GPS info will be in Red Color.