

BPR&D



WALK IN INTERVIEW FOR ENGAGEMENT OF RETIRED GOVERNMENT SERVANTS IN BPR&D ON CONTRACTUAL BASIS (www.bprd.nic.in)

Bureau of Police Research & Development (BPR&D) invites retired government servants for walk in interview (**No application is required to be sent**). Following posts are to be filled up on purely contract basis for 9 months (extendable) or till attaining the age 65 years or till regular incumbent joins whichever is earlier.

Posts located at BPR&D HQr.

S. No.	Name of the posts	No. of posts	Scale of Pay	Date & day of interview
1.	Pr. Scientific Officer	4	37400-67000+8700	17/10/2016 (Monday)
2.	Superintendent of Police	5	37400-67000+8700	
3.	Dy. SP	2	9300-34800+4600	
4.	Assistant Director (Legal)	1	15600-39100+6600	
5.	Senior Scientific Officer	7	15600-39100+6600	
6.	Research/Scientific Officer	5	9300-34800+5400	18/10/2016 (Tuesday)
7.	Assistant Library and Information Officer	2	9300-34800+4600	
8.	Senior Scientific Assistant	5	9300-34800+4200	
9.	Research Assistant	1	9300-34800+4200	
10.	Senior Investigator	1	9300-34800+4200	
11.	Legal Assistant	1	9300-34800+4200	

12.	PA/Steno Grade-II	12	9300-34800+4200	19/10/2016 (Wednesday)
13.	Inspector of Police	1	9300-34800+4200	
14.	Computer Operator	1	9300-34800+4200	
15.	Hindi Editor	1	9300-34800+4600	
16.	Hindi Translator Gr-I	1	9300-34800+4200	
17.	Junior Investigator	3	5200-20200+2800	
18.	Accountant	1	5200-20200+2800	
19.	Draftsman	1	9300-34800+4200	
20.	Library Assistant	1	5200-20200+1900	
21.	Multi Tasking Staff (MTS)	2	5200-20200+1800	
Note: Interview for the posts located at BPRD HQrs. and CDTS Ghaziabad will be held at BPR&D HQrs., New Delhi				

Posts located at Central Detective Training School, Ghaziabad, Jaipur, Chandigarh, Hyderabad and Kolkata

S No	Designation Posts	No. of Posts	Location of Posts	Pay Scale
1.	Vice Principal	3	Ghaziabad, Jaipur, Chandigarh, Hyderabad, Kolkata	15600-39100+6600
2.	DySP/Instructor	17	Ghaziabad, Jaipur,	9300-34800+5400
3.	Cyber Expert (JSO)	2	Ghaziabad, Jaipur	9300-34800+4800
4.	Forensic Expert (JSO)	2	Ghaziabad, Jaipur	9300-34800+4800
5.	Dy. SP	20	Chandigarh, Hyderabad, Kolkata	9300-34800+4600
6.	Inspector of Police	18	Ghaziabad, Jaipur, Chandigarh, Hyderabad, Kolkata	9300-34800+4200
7.	Assistant/Trg Asstt.	1	Ghaziabad	9300-34800+4200
8.	Steno Grade-II	2	Hyderabad, Kolkata	9300-34800+4200
9.	Hindi Translator Gr-II	1	Jaipur	9300-34800+4200

10.	UDC	3	Hyderabad, Ghaziabad, Jaipur	5200-20200+2400
11.	LDC	2	Hyderabad	5200-20200+1900
12.	Staff Car Driver	13	Ghaziabad, Jaipur, Chandigarh, Hyderabad, Kolkata	5200-20200+1900
13.	Dispatch Rider	2	Ghaziabad, Jaipur,	5200-20200+1900
14.	Constable	25	Ghaziabad, Jaipur, Chandigarh, Hyderabad, Kolkata	5200-20200+1800
15.	MTS (Chowkidar)	1	Kolkata	5200-20200+1800
16.	MTS (Sweeper)	3	Chandigarh, Hyderabad, Kolkata	5200-20200+1800
Dates of Interview: Jaipur: <u>26/10/2016</u>, Chandigarh: <u>28/10/2016</u>, Hyderabad: <u>24/10/2016</u>, Kolkata: <u>21/10/2016</u> Note: The candidates interested for the posts of Ghaziabad will appear for interview at New Delhi on <u>18/10/2016 & 19/10/2016</u>.				

Eligibility: As per Annexure – I

Emoluments: Last pay drawn minus pension plus admissible rate of DA on the date of engagement. The remuneration fixed will not be changed despite change in the DA rates. Grade pay of contractual post only shall be added, irrespective of the grade pay which the official had drawing at the time of retirement.

Selection Procedure: Selection will be made by Selection Committee through walk-in-interview from **10 AM** as per dates and venue mentioned above. Candidates should **report at 9 AM** at the respective venues for registration and verification of documents. Please bring filled in proforma given in Annexure – I along with requisite original documents and their attested copies, listed below on the scheduled date at the **venue of your choice (as per the location of posts)**. (i) Pension Payment Order (PPO) (ii) Date of Birth Certificate (iii) Service certificate (iv) Certificates of Educational qualification and (v) Copy of identity card issued by the department on retirement. (vi) Medical fitness certificate. Any clarification may be obtained from AD (Admn.), BPR&D on **011-24362401**.

Venue, addresses and contact persons

Venues	Addresses	Contact Persons/Phone Nos.	Dates of interview
<u>New Delhi</u>	Bureau of Police Research & Development 3/4 th Floor, CGO Complex Lodhi Road, New Delhi – 110 003	Shri S R Gupta Assistant Director Phone No. 2436-2401, Mob. 7838730783	<u>17 to 19-10-2016</u> (Ghaziabad posts: <u>18-19/10/2016</u>)
<u>Jaipur</u>	Central Detective Training School Block A & B, Sector – 10 Vidyadhar Nagar, Jaipur	Shri Pramod Verma, Principal Phone – 0141-2232873 Mob.85888-65566	<u>26/10/2016</u>
<u>Chandigarh</u>	Central Detective Training School CFI Complex, Dakshin Marg, Sector – 36A Chandigarh	Shri B M Sharma, Principal Phone – 0172-2602216, Mob.94250-30354	<u>28/10/2016</u>
<u>Kolkata</u>	Central Detective Training School 30 Gorachand Road (Near Park Circus) Kolkata – 700014	Shri Mahmod Akhtar Principal Phone: 033-2284-1184, Mob. 09874247569	<u>21/10/2016</u>
<u>Hyderabad</u>	Central Detective Training School Ramanthapur, Hyderabad	Shri Amrit Raj, Principal Phone : 040-27038182 Mob.9550386232	<u>24/10/2016</u>

**Application for the Post to be filled up on
Contract basis in BPR&D**

Name of the Post applied for: _____ **(Photograph)**

1. Name and Address in Block letters: _____

2. Date of Birth (in Christian era) : _____

3. Date of retirement under Central/
State Government rules: _____

4. Educational Qualification: _____

5. Whether Educational and other Qualifications required for the post are satisfied (If any qualification has been treated as equivalent to the one prescribed in the rules, state the authority for the same) Qualifications/ Experience required Qualifications/Experience possessed by the officer

(a)

(b)

(c)

6. Please state clearly whether in the light of entries made by you above, you meet the requirements of the post : _____

7. Details of employment, in chronological order. (Enclose a separate sheet, duly authenticated by your signature, if the space below is insufficient)

(a) Name of the office/institution/organization _____

(b) Post held- (from _____ to) _____

(c) Scale of Pay and basic pay _____

(d) Nature of duties _____

8. Nature of present employment, ie.,
ad hoc or temporary or permanent : _____

9. In case of the present employment is
held on contract basis, please state:-

- (a) The date of initial appointment: _____
- (b) Period of appointment on Contract _____
- (c) Name of the parent office/organization to which you belong : _____
10. Additional details about present employment: _____
Please state whether working under:-
- (a) Central Government _____
- (b) State Government _____
- (c) Autonomous organizations _____
- (d) Government Undertakings _____
- (e) Universities _____
11. Are you in Revised Scale of Pay? If yes, give the date from which the revision took place and also indicate the pre-revised scale: _____
12. Total emoluments as per month now drawn: _____
13. Additional information, if any, which you would like to mention in support to your suitability for the post. Enclose a separate sheet, if the space is insufficient: _____
14. Whether belongs to SC/ST: _____
15. Remarks, if any _____

Signature of the Candidate

Address _____

Telephone/Cell _____

E-mail ID: _____

Date : _____

Note: A character certificate from a Gazetted Officer or a Member of Parliament or a Member of Legislative Assembly or Principal or Head of the Department of the Institute the candidate attended last should also accompany the application.

Procedure and Guidelines for engagement of persons on contract basis In Bureau of Police Research and Development

The scheme of engagement of persons on contractual basis in BPR&D shall be regulated as per the following guidelines:-

General Conditions:

- a. Person (s) would be engaged for a fixed period and providing high quality services to the BPR&D and for attending to **specific and time-bound jobs**. Professionals with requisite qualifications and retired government employees with relevant experience as prescribed would be hired.
- b. The contractual appointment of persons would be initially for a period as mentioned in the advertisement for each post and extension decided as per requirement of time frame. The contractual appointment of Consultants would be on full-time basis.
- c. The educational qualification and remuneration to be paid are given in Annexure-I. The persons so appointed on contract basis shall not be entitled to any allowance.
- d. Maximum age for holding contractual appointment to the respective posts in BPR&D shall be for one year or attaining the age of 65 years or till regular incumbent join whichever is earlier.
- e. Drawl of pension:- A retired Government Official appointed shall continue to draw pension and the dearness relief on pension during the period of his appointment in BPR&D. The appointment will not be considered as a case of re-employment.
- f. Person shall be eligible for 8 days' leave in a calendar year on prorata basis to be sanctioned by the Head of Office. The Women candidates will, however, be eligible for maternity leave with remuneration for a period not exceeding one month during the tenure. However, the leave entitlement of the appointee shall be governed as per DOP&T O.M. No. 12016/3/84-Estt (L) dated 12.4.1985, as amended from time to time.
- g. Therefore, a contractual person shall not draw any remuneration in case of his/her absence beyond 8 days in Year (calculate on a pro-rata basis). Also un-availed leave in a calendar year cannot be carried forward to next calendar year. Then Authority would be free to terminate the services in case of absence of a person by more than 15 days beyond the entitled leave in a calendar year.
- h. No TA/DA shall be admissible for joining the appointment on contractual basis.

2. **Mode of Selection:** The selection of candidates in each category will be made through interview. The interview will be organized by BPR&D through a Committee of Officers to be constituted with the approval of the Director General, BPR&D.

3. **Conditions of award:**

- (a) The contractual persons will be attached to BPR&D HQrs located in New Delhi or its outlying units located at different stations in the country.
- (b) The duties to be given to the contractual persons will be decided by the competent authority, BPR&D.

4. **Termination**

- (a) The Contractual appointment of persons is of a temporary nature and the appointment can be terminated at any time by the competent authority, BPR&D without assigning any reason.
- (b) The competent authority reserves the right for any amendment, cancellation and change in this advertisement in whole or part thereof without assigning any reason.

Eligibility Criteria for Posts located at BPR&D Hqrs

S. No.	Name of the posts	Scale of Pay	Eligibility Criteria
1.	Pr. Scientific Officer	37400-67000+8700	<p>Central /state Government retired officers holding analogous post at the time of retirement with five years' experience in the relevant field having the following qualification:</p> <p>(i)PSO (Traffic & Transport) –Bachelor Degree in Mechanical Engineering with automobile engineering as a subject.</p> <p>(ii)PSO (Uniform & Accoutrement) - Bachelor's Degree in Textile Engineering or Textile Technology or Fashion Technology or Fashion Designing.</p> <p>(iii)PSO (Ballistics/Explosive) - Bachelor's Degree in Physics, Chemistry, Mathematics or Forensic Science.</p>
2.	Superintendent of Police	37400-67000+8700	<p>Retired Officers of Indian Police Service/State Police Services/Central Police Organizations holding analogous posts at the time of retirement having following experience:-</p> <p>(a) Three years experience as SP.</p>
3.	Dy. SP	9300-34800+4600	<p>Officers of the Central Police Organizations or State Police Organization holding analogous post at the time of retirement and possessing following educational qualification and experience :</p> <p>(i) bachelor's degree from a recognized university or equivalent; and</p> <p>Five years' experience in the field of recruitment and training, law and order management, modernization of Police, community policing, personnel management, maintenance and analysis of crime records use of technology in policing and welfare of police personnel.</p>
4.	Assistant Director (Legal)	15600-39100+6600	<p>Officer of Central Government or State Government or Union Territories including Central Police Organisation or State Police Organisation holding analogous posts at the time of retirement and having the following qualification & experience :-</p> <p>(i) Bachelor's degree in Law from a recognized University.</p> <p>(ii) Three years' experience in legal work</p>

5.	Senior Scientific Officer	15600-39100+6600	<p>Holding analogous post at the time of retirement with five years' experience in the relevant field having the following qualification:</p> <p>(i) SSO (Weapons) – Master Degree in Physics or applied Physics from a recognized university.</p> <p>ii) SSO (Traffic & Transport) – Bachelor's degree in Mechanical Engineer with Automobile Engineering as a subject.</p> <p>(iii)SSO (Ballistics/Explosives) – Bachelor's Degree in Physics, Chemistry, Mathematics or Forensic Science.</p> <p>(iv)SSO (Uniform & Accoutrement) – Bachelor's Degree in Textile Engineering or Textile Technology or Fashion Technology or Fashion Designing.</p> <p>(v)SSO (Life Sciences) – Bachelor's Degree in Science with Molecular Biology or Bio-Chemistry or Zoology or botany or Microbiology or Forensic Science.</p> <p>(vi)SSO (Electronics) – Bachelor's Degree in Electronics or in Communication Engineering.</p> <p><i>For Armed Forces Officers- Bachelor's Degree and 10 years' experience in ammunition and explosives for the post of SSO(Weapons) and SSO (Ballistics/Explosives)</i></p>
6.	Research Officer	9300-34800+5400	<p>Officers of Central Government or Central Police Organization or Central Armed Police Forces holding analogous post at the time of retirement and having the following qualification:</p> <p>(i)Scientific Officer(4 posts of GP Rs. 5400/-):- Master's degree in Sociology with specialization in Research methodology or Correctional Administration or Criminal Sociology or Sociology of Deviance from a recognized University; or Master's Degree in Psychology with specialization in Criminal Psychology from a recognized University or Master's Degree in Criminology with specialization in Criminal Psychology from a recognized University; or Master's Degree in Forensic science from a recognized University; or Master's Degree in Police Administration from recognized University.</p> <p>(ii) Two year's experience in research work in Central Government.</p> <p>(ii) Research Officer(One post of GP Rs. 4600/-):- Master Degree in Sociology with specialization in criminal sociology or Sociology of deviance or Master's or Master's</p>

			<p>Degree in Psychology with specialization in criminal Psychology or Social Psychology from a recognized university.</p> <p>(ii) Two year's experience in research work in Central Government.</p>
7.	Assistant Library and information Officer	9300-34800+4600	<p>Officers of Central Government or Central Police Organization or Central Armed Police Forces holding analogous post at the time of retirement and having the following qualification and experience:</p> <p>(i) Bachelor Degree from a recognized University and;</p> <p>(ii) Bachelor's degree or equivalent diploma in Library Science of a recognized University or Institute and,</p> <p>(iii) Two years experience in a library of Central/State govt.</p>
8.	Senior Scientific Assistant	9300-34800+4200	<p>Holding analogous post at the time of retirement with five years' experience in the relevant field having the following qualification:</p> <p>(i)SSA (Electronics)- Diploma in Electronics Engineering or Communication Engineering</p> <p>(ii)SSA (Uniform & Accoutrement) - Diploma in Textile Engineering or Textile Technology or Fashion Technology or Fashion Designing</p> <p>(iii)SSA (Life Sciences) – Bachelor Degree in Molecular Biology or Bio-Chemistry or Zoology or Botany or Micro Biology or Forensic Science or any other Life Sciences.</p> <p>(iv) SSA (Building & Design) –Bachelor's Degree in Civil Engineering or Architectural Planning and Design from a recognized University.</p> <p>(v) SSC</p> <p><i>For Armed Forces Officers- Graduate and 5 years experience in ammunition and explosives for the post of SSA (Weapon) and SSA (Ballistics/Explosives).</i></p>
09.	Research Assistant	9300-34800+4200	<p>Officers of Central Government or Central Police Organization or Central Armed Police Forces or State Police Organization holding analogous post at the time of retirement and having the following qualification:</p> <p>(i) Master's Degree in Criminology or Sociology or Social work or Psychology from a recognized University.</p> <p>(ii)two years' experience in research work.</p>

10.	Senior Investigator	9300-34800+4200	Officers from Central Government or State Government holding analogous post at the time of retirement and having the following qualification: (i) Master's degree in social work or Sociology or Criminology of a recognized university or equivalent. (ii) Two years' experience of collection, compilation, analysis and interpretation of statistical data.
11.	Legal Assistant	9300-34800+4200	Officers of Central Government or State Government/Union territories including Central Police Organisations/State Police Organisations holding analogous post at the time of retirement having the following qualification: (i) Bachelor's degree in Law from a recognized University. (ii) (ii) Two years' experience in legal work.
12.	PA/Steno Grade-II	9300-34800+4200	Officers of Central/State Government holding analogous post at the time of retirement with Matriculation or equivalent qualification; and a speed of 100 words per minute in Stenography and 50 words per minute in typewriting. Essential computer working knowledge.
13.	Inspector of Police	9300-34800+4200	Officers of the Central Police Organizations or State Police Organization holding analogous post at the time of retirement and possessing following educational qualification and experience : bachelor's degree from a recognized university or equivalent; and Five years' experience in the field of investigation of Crime/Training/ Forensic Science/Law.
14.	Hindi Editor	9300-34800+4600	Officers of Central/State Government holding analogous post at the time of retirement with post Graduate Degree in 'Hindi' and 5 years' experience of terminological work in Hindi and/or translation work from English to Hindi or vice versa preferably of technical/Scientific literature.
15.	Hindi Translator Gr-I	9300-34800+4200	Officers of Central/State Government holding analogous post at the time of retirement with post Graduate Degree in 'Hindi' and 3 years' experience of terminological work in Hindi and/or translation work from English to Hindi or vice versa preferably of technical/Scientific literature.

16.	Junior Investigator	5200-20200+2800	Official of Central/State Government holding analogous post at the time of retirement; and possessing following qualification :- (i) Bachelor's degree from any recognized University with Criminology or Sociology as one of the subjects.
17.	Accountant	5200-20200+2800	Official of Central/State Government holding analogous post at the time of retirement; and possessing following qualification :- (i) Bachelor's degree from any recognized University (ii) 5 years experience of handling accounts matters in a Govt. Department (iii) Thorough knowledge of Budgeting, processing of bills, financial rules etc.
18.	Draftsman	9300-34800+4200	(a) Official of Central/State Government holding analogous post at the time of retirement ; and (b) Possessing Matriculation/Higher Secondary with certificate or Diploma in Draftsman (Mechanical) from a recognized institute (including six months practical training)
19.	Library Assistant	5200-20200+1900	Retired Central/State Government servant holding analogous post at the time of retirement having Senior School Certificate (10 + 2 Pass) with certificate in Library Science from a recognized institute.
20.	MTS	5200-20200+1800	Officials of Central/State Government holding analogous post at the time of retirement with following educational qualifications and experience : (a) 10 class pass from recognized board (b) Basic knowledge of computer desirable
21.	Computer Operator	9300-34800+4200	Officials of Central/State Government holding analogous post at the time of retirement with following educational qualifications and experience : (a) Bachelors degree from recognized University (b) Diploma in computer application from a recognized University/institution (c) Two years experience in computer application in Govt. Institution.

Eligibility Criteria for Posts located at CDTS , Ghaziabad, Jaipur, Chandigarh, Hyderabad and Kolkata

S. No.	Name of the posts	Scale of Pay	Eligibility Criteria
1.	Vice Principal	15600-39100+6600	Officer of the IPS or Central / State Police organization holding analogous post at the time of retirement and possessing following educational qualification and experience:- (i) Bachelor's degree from a recognized university ; and (ii) Five years' experience in training and establishment matter or filed policing or Police Modernization.
2.	Instructor	9300-34800+5400	Officer of the Central Police Organization/ State police organizations Holding Analogous posts at the time of retirement and Possessing the following educational qualifications and experience:- (i) Bachelor's degree from a recognized university and equivalent. (ii) Five years' experience in the field of recruitment and training or law and order management of modernization or maintenance and analysis of crime records or use of technology in policing and welfare of Police personnel.
3.	Cyber Expert (JSO)	9300-34800+4800	Officers of Central Government or Central Police Organizations or Central Para Military Forces including Forensic Science Laboratories, National Institute of Criminology and Forensic Science and Central Bureau of Investigation Holding analogous post at the time of retirement and possessing the following educational qualification and experience:- (i) M.Sc. (Physics) with specialization in Electronics from a recognized University or B.E/B. Tech. in Electronics and communication engineering of B.E/B.Tech in Computer Science; and (ii) Three years' research experience in any Central Government office or Central Police Organization of Central Para Military Forces.
4.	Forensic Expert (JSO)	9300-34800+4800	Officers of Central Government or Central Forensic Science Laboratories or Central Police Organization or Central Para Military Forces Holding analogous post at the time of retirement and possessing the following educational qualification and experience:-

			<ul style="list-style-type: none"> (i) Master's Degree in Forensic Science from a recognized University ; and (ii) Three year's research experience of analytical methods and research in the field of Forensic Science in Organizations under Central Government.
5.	Dy. SP	9300-34800+4600	<p>Officer of the Central Police Organization/ State police organizations Holding Analogous posts at the time of retirement and Possessing the following educational qualifications and experience:-</p> <ul style="list-style-type: none"> (i) Bachelor's degree from a recognized university and equivalent. (ii) Five years' experience in the field of recruitment and training or law and order management of modernization or maintenance and analysis of crime records or use of technology in policing and welfare of Police personnel
6.	Inspector of Police	9300-34800+4200	<p>Officer of the Central Police Organization/ State police organizations Holding Analogous posts at the time of retirement and Possessing the following educational qualifications and experience:-</p> <ul style="list-style-type: none"> (i) Bachelor's degree from a recognized university or equivalent; and (ii) Three years' experience in the field of recruitment and training or law and order management of modernization or maintenance and analysis of crime records or use of technology in policing welfare of Police personnel.
7.	Assistant/Trg Asstt.	9300-34800+4200	<p>Official of Central /State Government holding analogous post at the time of retirement; and having the following qualification:-</p> <ul style="list-style-type: none"> (i) Graduate with administrative experience. Computer working knowledge is essential. (ii) Three years' experience of work in training Institute.
8.	Steno Grade-II	9300-34800+4200	<p>Official of Central/State Government holding analogous post at the time of retirement with Matriculation or equivalent qualification; and a speed of 100 words per minute in Stenography and 50 words per minute in typewriting. Knowledge of Computer is essential.</p>
09.	Hindi Translator Gr-II	9300-34800+4200	<p>Officers of Central/State Government holding analogous post at the time of retirement with Post Graduate Degree in 'Hindi' and 3 years' experience of terminological work in</p>

			Hindi and/or translation work from English to Hindi or vice versa preferably of technical/Scientific literature
10.	UDC	5200-20200+2400	Official of Central /State Government holding analogous post at the time of retirement; and having the following qualification:- (iii) 10+2 pass with administrative experience. Essential Computer working knowledge. (iv) Five years' experience in administration, Establishment & Accounts.
11	LDC	5200-20200+1900	Official of Central /State Government holding analogous post at the time of retirement; and having the following qualification:- (i) 10+2 pass with administrative experience. (ii) Computer working knowledge (typing speed of 35WPM in English or 30WPM in Hindi).
12	Staff Car Driver	5200-20200+1900	Official of Central /State Government holding analogous post at the time of retirement; and having the following qualification:- (i) Should have a valid driving license for heavy duty vehicles or light duty vehicles. (ii) With 5 years experience, and should possess knowledge of Motor Mechanics.
13	Dispatch Rider	5200-20200+1900	Officials of Central/State Government holding analogous post at the time of retirement with following educational qualifications and experience : (i) 10 class pass from recognized board (ii) Should have a valid driving license for light duty vehicles.
14	Constable	5200-20200+1800	Officials of Central/State Government holding analogous post at the time of retirement with following educational qualifications and experience : (i) 10 class pass from recognized board (ii) Basic knowledge of computer desirable
15	MTS (Chowkidar)	5200-20200+1800	Officials of Central/State Government holding analogous post at the time of retirement with following educational qualifications and experience : (i) 10 th class pass from recognized board.
16	MTS (Sweeper)	5200-20200+1800	Officials of Central/State Government holding analogous post at the time of retirement with following educational qualifications and experience :

			(i) 10 class pass from recognized board.
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